2006 USE-VALUE MANUAL FOR AGRICULTURAL, HORTICULTURAL AND FOREST LAND

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North Carolina Use-Value Advisory Board North Carolina Department of Revenue Raleigh, North Carolina

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Foreword

Taxation on the basis of present-use value has recently passed its 30th anniversary of enactment in North Carolina. It has undergone many changes and amendments, but none greater than in the 2001-2002 Session Laws of the General Assembly. It is our objective to briefly relate the history of present use value in North Carolina. We can then explain the current changes to the PUV program that have caused such a radical departure from the previous procedures of applying this program.

When originally enacted in 1973, the object of the present use value program was to keep "the family farm in the hands of the farming family." By the early 1970's, North Carolina had become a prime site for industrial and commercial companies to relocate because of its plentiful and reliable work force. With this growth came other improvements to the state's infrastructure to accommodate this growth – new and larger road systems, more residential subdivisions and new industrial and commercial developments. The land on which to build these complexes came from primarily one source – farmland. As the demand for this land skyrocketed, so did the price of this land as well as its assessed value, as counties changed from a fractional assessment to a market value system. Farmers, with land near these sites, soon could not afford the increase in property values and sought relief from the General Assembly.

In response, the General Assembly passed legislation known as the "Present Use Value" program. As enacted, the basic tenets of this program were that only individuals who lived on the land for which they were applying could immediately qualify and that the land had to have a highest and best use other than agriculture, horticulture or forest land. Other land for which the farmer applied might also qualify, if owned by the farmer for

seven years. Passage of this law eased the financial burden of most farmers, and eliminated in some degree the "sticker shock", when receiving the new property tax values. From this time until the mid 1980's, the PUV schedules were based on farmer to farmer sales, and quite often the market schedules were very similar, if not identical to, the present use schedule, especially in the more rural areas.

Virtually every session of the General Assembly has seen new legislation to address changes in the law, causing a constant rethinking as to how the law is to be administered. The mid 1980's saw several court cases which aided in this transformation. Among the changes that resulted from these cases were the use of soil productivity to determine value, the use of a 9% capitalization rate, and the utilization of the "unit concept" to bring smaller tracts under the present use value guidelines.

From the 1990's through the start of the new millennium, the PUV program was expanded to include new types of ownership such as business entities, tenants in common, trusts, and testamentary trusts. The legislation also expanded the definition of a relative. It wasn't until the Session Laws of 2001-2002 that the present use value program changed directions. This Use Value Advisory Board Manual has been written to explain the changes, show the rates that will be used in determining present use value and explain the methodology the counties can use to make best use of this manual.

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USE VALUE ADVISORY BOARD MANUAL

There are several major changes addressed in this manual.

- 1) Cash Rents Beginning in 1985, soil productivity was the basis for determining present use value, which was founded on the value of corn and soybeans. At that time, corn and soybeans were considered the predominant crops in the state. Over time, fewer and fewer acres went into the production of corn and soybeans, and the land used for these crops tended to be of a lower quality. As a result, both the productivity and value of these crops plummeted. A viable alternative was sought to replace corn and soybeans as the basis for present use value. Following a 1998 study by North Carolina State University, cash rents for agricultural and horticultural land were determined to be that alternative. Cash rents are a very good indicator of net income, which can be converted into a value using an appropriate capitalization rate. A follow-up study conducted by NCSU in 2002 showed that the rent levels found in the 1998 study were holding steady. This new approach cash rents of land in production most closely adheres to accepted appraisal principles and methodologies.
- 2) Soil types The 1985 legislation divided the state into 6 Major Land Resource Areas (MLRA's). Five different classes of productive soils plus one non-productive class for each of the MLRA's were determined. Each class was identified by its net income according to type; agriculture, horticulture and forestry. The net income was then divided by a 9% capitalization rate to determine the present use value.

For 2003, the following change has taken place. For agricultural and horticultural classifications, the five different soil classes have been reduced to three classes plus one non-productive soil class. The forestry soils have kept the five soil classes plus one non-productive class. The use of the six MLRA's has been retained.

- **3) Capitalization Rate** The rate mandated by the 1985 legislation for all types of present use value was 9%. The study by NCSU during 1998 strongly indicated that a lower capitalization rate for agriculture and horticulture was more in line with current sales and rental information. The 2002 legislation mandated a rate between 6%-7%. For the year 2004, the UVAB has set the capitalization rate at 6.5%.
- **4) Other Issues -** The value for the best agricultural land can be no higher than \$1,200 an acre for any MLRA. In addition, the tobacco quota for 2004 remains unchanged, while the peanut quota has been eliminated.

Application of the UVAB Manual

Soil Classifications

North Carolina is divided up into six Major Land Resource Areas or MLRA's. The six MLRA's are as follows:

MLRA 130	Mountains
MLRA 133A	Upper Coastal Plain
MLRA 136	Piedmont
MLRA 137	Sandhills
MLRA 153A	Lower Coastal Plains
MLRA 153B	Tidewater

The soils are listed in this manual according to the MLRA in which they occur. They are then further broken down into their productivity for each of the three types of usage – agriculture, horticulture and forestry. Every soil listed in each of the MLRA's is ranked by its productivity into four classes (with the exception of forestry which retained its previous six classes). The classes for agricultural and horticultural are as follows:

CLASS I	Best Soils
CLASS II	Average Soils
CLASS III	Fair Soils
CLASS IV	Non-Productive

It should be noted that, in some soil types, all the various slopes of that soil have the same class for each of the usages, and therefore for the sake of brevity, the word "ALL" is listed to combine these soils. Each of the classes set up by the soils subcommittee of the UVAB corresponds to a rent income established by the 1998 land rent study conducted by North Carolina State University. This rent income is then capitalized by a rate established

each year by the UVAB. The capitalization rate for 2004 for agriculture and horticulture is 6.5%, while the capitalization rate for forestry remains at 9.0%. (The criteria for establishing present use value for forestry has remained basically unchanged from previous years due to the quantity and quality of information already available.)

PRESENT USE VALUE SCHEDULE

AGRICULTURE RENTS

MLRA	BEST	AVERAGE	FAIR
130	52.65	36.03	23.01
136	45.78	31.33	20.01
133A	60.01	42.10	27.84
137	45.46	30.25	17.99
153A	51.44	39.97	29.27
153B	86.85	65.60	43.83

AGRICULTURAL SCHEDULE

MLRA	CLASS I	CLASS II	CLASS III
130	\$810	\$555	\$355
136	\$705	\$480	\$310
133A	\$925	\$650	\$430
137	\$700	\$465	\$275
153A	\$790	\$615	\$450
153B	\$1,200	\$1,010	\$675

NOTE: All Class 4 or Non-Productive Land will be appraised at \$40.00 per acre.

Rents were divided by a capitalization rate of 6.5% to produce the Agricultural Schedule.

Tobacco Quota - MLRA 130 - \$1.23/lb of Quota MLRA 137 - \$2.17/lb of Quota MLRA 133A -\$2.07/lb of Quota MLRA 153A - \$1.86/lb of Quota MLRA 153B - \$2.02/lb of Quota

^{*} Please note that these rents are the average rents for each MLRA. Each land productivity level (Best, Average and Fair as shown on pg. 12) has a high average, median and low average for each MLRA. Please review rents in your specific area to verify which of these numbers best fit your county.

HORTICULTURE SCHEDULE

All horticultural crops requiring more than one growing season between planting or setting out and harvest, such as Christmas trees, ornamental shrubs and nursery stock, apple and peach orchards, grapes, blueberries, strawberries, sod and other similar horticultural crops should be classified as horticulture regardless of where located in the state.

MLRA	CLASS I	CLASS II	CLASS III
130	\$1,620	\$1,110	\$710
133A	\$1,110	\$780	\$515
136	\$845	\$580	\$370
137	\$840	\$560	\$370
153A	\$950	\$740	\$540
153B	\$1,440	\$1,210	\$810

NOTE: All Class 4 or Non-Productive Land will be appraised at \$40.00 per acre.

Specific Gross Income Requirement for Christmas Trees

For MLRA 130, the gross income requirement for horticultural land used to grow evergreens intended for use as Christmas trees is \$2,000 per acre.

For all other MLRA's, the gross income requirement for horticultural land used to grow evergreens intended for use as Christmas trees is \$1,500 per acre.

Please refer to the Department of Revenue memorandum for in-lieu of income requirement when acreage is in production but yet to be harvested.

FORESTRY SCHEDULE

MLRA	Class I	Class II	Class III	Class IV	Class V
130	\$270	\$105	\$80	\$40	\$35
133A	\$495	\$290	\$145	\$110	\$55
136	\$225	\$160	\$155	\$85	\$60
137	\$530	\$310	\$150	\$125	\$50
153A	\$495	\$290	\$145	\$110	\$55
153B	\$440	\$290	\$115	\$110	\$60

All Class VI or Non-Productive Land will be appraised at \$40.00/Acre. For MLRA 130 use 80 % of the lowest valued productive land

CASH RENT SURVEY for 1998

		Best Prod	uctivity Lan	d		Average Pro	ductivity L	and		Fair Produ	uctivity Land					
		High to I	ow Range			High to Lov				High to	Low Range					
		High Sell	High Rent			Med Sell M	led Rent			Low Sell	Low Rent			Tob Lease	Pnut Lease	
				Avg Rent /			1	Avg Rent /			А	vg Rent /				
				Avg Value				Avg Value				Avg Value				
MLRA 130) Averages	4714.55	143.79	0.031		3234.22	78.33	0.024		2215.15	40.97	0.018		0.141	NA	
	High avg	6067	203	0.033		4216	113	0.027		3073	59	0.019		0.222	2	
	Median	4417	154	0.035		3000	78	0.026		1792	34	0.019		0.085		
	Low avg	3362	84	0.025		2252	44	0.020		1358	23	0.017		0.051		
	Count	22														
Avg Rent C	Capped at 6.5%	2212	rounded to	nearest \$5 =	\$2,210	1205				630						
ILRA 133	3 Averages	1787.02	60.01	0.034		1369.86	42.10	0.031		981.34	27.84	0.028		0.409		
	High avg	2108	70	0.033		1634	47	0.029		1194	32	0.027		0.462		
	Median	1713	59	0.034		1263	43	0.034		896	30	0.033		0.406		
	Low avg	1466	50	0.034		1106	37	0.033		769	23	0.030		0.357		
	Count	16														
Ava Dant C	Capped at 6.5%	000			- COOE	C40 ==		CF	. CCEO	400			£420			
Avg Kent C	Japped at 6.5/6	923	rounded to	nearest \$5 =	- \$9Z5	648 10	bunded to n	earest \$5 =	- \$00U	428	rounded to ne	earest \$5 =	\$430			
N DA 426	Averence	2585.17	45.78	0.018		2000.43	31.33	0.016		1475.58	20.01	0.014		0.363	0.074	
ILKA 130	Averages	3431	45.76 58	0.016			31.33	0.016			20.01	0.014				
	High avg Median	2529	43	0.017		2753 1923	39	0.014		2131 1213	20	0.012		0.424		
		1892	35	0.017		1367	24	0.018		923	15	0.016		0.348		
	Low avg Count	42	35	0.019		1307	24	0.016		923	10	0.010		0.270	,	
	Count	72														
Ava Rent C	Capped at 6.5%	704	rounded to	nearest \$5 =	\$705	482 rc	nunded to n	earest \$5 =	\$480	308	rounded to ne	earest \$5 =	\$310		1	
	при полити	70-	rounded to	ισαι σοι φο	ψισο	402 10	Juniaca to 11	σαι σστ φσ	ψ100	555	Tourided to ric	σαισσι ψο	φοιο		+	
II RΔ 137	' Averages	1915.58	45.46	0.024		1460.42	30.25	0.021		989.06	17.99	0.018		0.407	NA NA	
12101101	High avg	2367	50	0.021		1883	35	0.019		1375	23	0.017		0.424		
	Median	2001	45	0.021		1408	30	0.013		865	19	0.022		0.408		
	Low avg	1465	41	0.028		1038	26	0.025		603	13	0.022		0.390		
	Count	4		0.020		1000	20	0.020		000	10	0.022		0.000	1	
	-	<u> </u>														
Avg Rent C	Capped at 6.5%	699	rounded to	nearest \$5 =	\$700	465				277	rounded to ne	earest \$5 =	\$275			
ILRA 153	A Averages	1766.79	51.44	0.029		1339.71	39.97	0.030		989.07	29.27	0.030		0.400	0.057	
	High avg	2018	62	0.031		1507	47	0.031		1112	34	0.031		0.456	6	
	Median	1672	46	0.028		1331	37	0.028		963	28	0.029		0.380		
	Low avg	1515	41	0.027		1172	33	0.028		866	24	0.028		0.344		
	Count	16														
-													-			-
Avg Rent C	Capped at 6.5%	791	rounded to	nearest \$5 =	\$790	615				450						
ILRA 153	BB Averages	1932.39	86.85	0.045		1414.20	65.60	0.046		995.74	43.83	0.044		0.348		
	High avg	2377	102	0.043		1693	78	0.046		1153	52	0.045		0.365		
	Median	1713	86	0.050		1356	65	0.048		938	40	0.043		0.349		
-	Low avg	1399	69	0.049	-	1080	51	0.047		807	34	0.042		0.330)	
	Count	11														
Ava Rent C	Capped at 6.5%	1336	rounded to	nearest \$5 =	\$1,335	1009 rd	ounded to n	earest \$5 =	\$1,010	674	rounded to ne	earest \$5 =	\$675			

Cash Rents for Ag Use Valuation 2003 Results of Survey Sample

The Income Committee of the Use Value Advisory Board conducted a re-sampling of cash rent data from a subset of the 100 counties in North Carolina. These were primarily but not exclusively the 15 counties affected by 2004 revaluations. The purpose was to determine whether or not the extensive data set on cash rents from the comprehensive 1998 survey was still relevant and adequate for use in the 2004 revaluations. The re-sampling was done by Dr. Charles Moore and Dr. Arnold Oltmans of the Ag and Resource Economics Department at NC State University in January and February, 2003. (Drs. Moore and Oltmans conducted the original 1998 cash rent survey). Based on the information obtained the committee presents their findings and makes the following recommendations.

The 2003 sample set consisted of 21 counties representing all six MLRA's of the state. Included in this re-sampling were the 15 counties undergoing revaluation and six other counties needed for additional observations in certain MLRAs. The same sources of information as in the 1998 survey were used----county extension directors, county assessors, and Farm Credit appraisers. The exception this time was that farmer input was not available due to the short time constraints in getting the re-survey and responses back in a timely manner. The response rate from county extension directors and county assessors was 100%, and the response rate from Farm Credit Appraisers was 71%. Therefore, this committee feels that all counties and MLRAs were adequately represented in this re-survey.

The general results of the re-survey indicate that cash rents have not changed significantly from 1998, with the possible exception of MLRA 153A---Lower Coastal Plain, across all three soil productivity ratings. Results from MLRA 153A indicate that cash rents have increased slightly by an average of \$8 per acre. However, no attempt was made to determine if this \$8 is statistically significant. We leave the interpretation of the significance of this number to those who will use the cash rent data. Thus, it is the conclusion of this committee that the 1998 rent data is relevant and adequate as a baseline of rents in all MLRAs for the 2004 revaluations.

Table 1 shows the overall summary of responses averaged across all three soil productivity classifications. Tables 2, 3, and 4 show the responses averaged within each separate soil productivity classification. Note: once again the cash rent data from MLRA 130—Mountain was highly variable and more difficult to interpret than from the other MLRAs. The data from this re-survey for the Mountain region should be interpreted in light of other issues in the Mountain region that have been discussed at length in other meetings and studies of this committee, the Use Value Advisory Board and the NC Department of Revenue.

TABLE 1: Overall Summary of Responses---across all soil productivity classes.

Change in Cash Rents in 2003 compared to 1998

MLRA	<u>Same</u> %	Increase %	Decrease %	Average Amount \$\$
130-Mountain	67	22	11	+6
133-Upper CP	69	23	8	+1
136-Piedmont	70	22	8	+1
137-Sandhills	40	40	20	+2
153A-Lower CP	38	48	14	+8
154B-Tidewater	67	25	8	+1

 TABLE 2: Overall Summary of Responses---High soil productivity class.

Change in Cash Rents in 2003 compared to 1998

MLRA	Same %	Increase %	Decrease %	Average Amount \$\$
130-Mountain	67	33	0	+25
133-Upper CP	67	22	11	+1
136-Piedmont	59	27	14	+1
137-Sandhills	40	40	20	0
153A-Lower CP	40	40	20	+10
154B-Tidewater	25	50	25	+1

TABLE 3: Overall Summary of Responses---<u>Medium</u> soil productivity class.

Change in Cash Rents in 2003 compared to 1998

MLRA	Same %	Increase %	Decrease %	Average Amount \$\$
130-Mountain	83	17	0	+4
133-Upper CP	67	22	11	+2
136-Piedmont	74	22	4	0
137-Sandhills	40	40	20	+3
153A-Lower CP	44	44	12	+7
154B-Tidewater	75	25	0	+1

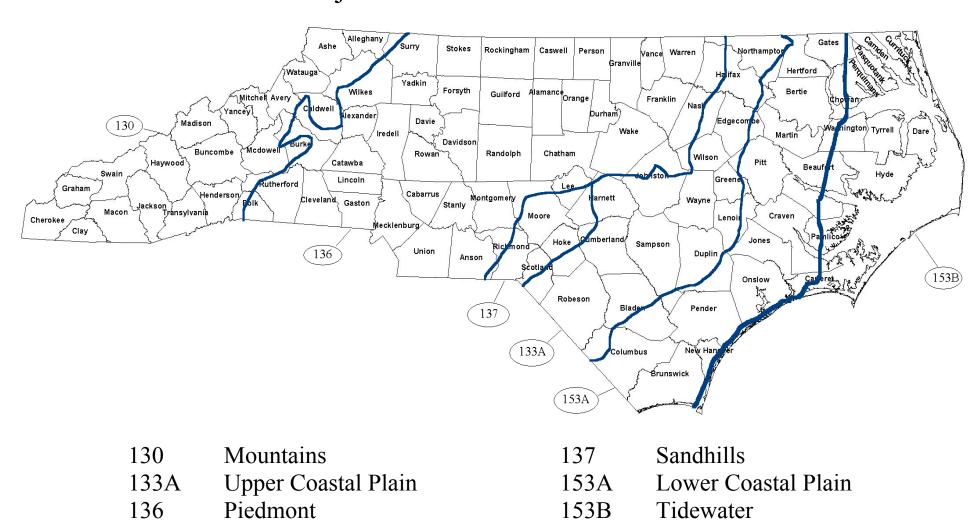
TABLE 4: Overall Summary of Responses---Low soil productivity class.

Change in Cash Rents in 2003 compared to 1998

MLRA	Same %	Increase %	Decrease %	Average Amount \$\$
130-Mountain	50	17	33	-10
133-Upper CP	67	22	11	+1
136-Piedmont	77	18	5	+1
137-Sandhills	40	40	20	+3
153A-Lower CP	30	60	10	+6
154B-Tidewater	100	0	0	0

North Carolina

Major Land Resource Areas



Map Unit Name	Agri	For	Hort
Alluvial land, wet	IV	II	IV
Arents, loamy	IV	II	IV
Arkaqua loam, 0 to 2 percent slopes, frequently flooded	IV	II	IV
Arkaqua loam, 0 to 2 percent slopes, occasionally flooded	II	III	II
Arkaqua loam, 0 to 2 percent slopes, rarely flooded	II	III	II
Ashe and Edneyville soils, 6 to 15 percent slopes	IV	I	III
Ashe and Edneyville soils, 15 to 25 percent slopes	IV	I	III
Ashe and Edneyville soils, 25 to 45 percent slopes	IV	I	IV
Ashe fine sandy loam, 6 to 15 percent slopes	IV	III	III
Ashe fine sandy loam, 10 to 25 percent slopes	IV	III	III
Ashe fine sandy loam, 15 to 25 percent slopes	IV	III	III
Ashe fine sandy loam, 25 to 45 percent slopes	IV	III	IV
Ashe gravelly fine sandy loam, 25 to 65 percent slopes	IV	III	IV
Ashe stony fine sandy loam, ALL	IV	III	IV
Ashe stony sandy loam, ALL	IV	III	IV
Ashe-Chestnut-Buladean complex, very stony, ALL	IV	III	IV
Ashe-Cleveland complex, stony, ALL	IV	IV	IV
Ashe-Cleveland-Rock outcrop complex, ALL	IV	IV	IV
Ashe-Rock outcrop complex, 15 to 70 percent slopes	IV	VI	IV
Augusta fine sandy loam, cool variant, 1 to 4 percent slopes (Delanco)	II	I	II
Balsam, ALL	IV	VI	IV
Balsam-Rubble land complex, windswept, ALL	IV	VI	IV
Balsam-Tanasee complex, extremely bouldery, ALL	IV	VI	IV
Bandana sandy loam, 0 to 3 percent slopes, occasionally flooded	II	II	II
	III	II	III
Bandana-Ostin complex, 0 to 3 percent slopes, occasionally flooded Biltmore, ALL	IV	II	IV
Braddock and Hayesville clay loams, eroded, ALL	III	I	III
	II	I	III
Braddock clay loam, 2 to 8 percent slopes, eroded	II		III
Braddock clay loam, 2 to 8 percent slopes, eroded	II	I	III
Braddock clay loam, 6 to 15 percent slopes, eroded	II	I	III
Braddock clay loam, 8 to 15 percent slopes, eroded	IV	I	III
Braddock clay loam, eroded, ALL OTHER	IV		
Braddock clay loam, 15 to 30 percent slopes, eroded, stony		I	IV
Braddock fine sandy loam, 15 to 30 percent slopes	III	I	III
Braddock gravelly loam, 2 to 8 percent slopes	I	I	I
Braddock gravelly loam, 8 to 15 percent slopes	II	I	I
Braddock loam, 2 to 8 percent slopes	I	I	I
Braddock loam, 8 to 15 percent slopes	II IV	I	_
Braddock-Urban land complex, ALL		I	IV
Bradson gravelly loam, ALL	II	I	I
Brandywine stony soils, ALL	IV	IV	IV
Brasstown-Junaluska complex, 8 to 15 percent slopes	III	IV	III
Brasstown-Junaluska complex, 15 to 30 percent slopes	IV	IV	III
Brasstown-Junaluska complex, ALL OTHER	IV	IV	IV
Brevard fine sandy loam, 1 to 6 percent slopes, rarely flooded	I	I	I
Brevard loam, 2 to 6 percent slopes	I	I	I
Brevard loam, 6 to 10 percent slopes	II	I	I
Brevard loam, 7 to 15 percent slopes	II	I	I
Brevard loam, 10 to 25 percent slopes	IV	I	I
Brevard loam, 15 to 25 percent slopes	IV	I	I
Brevard loam, 25 to 45 percent slopes	IV	I	II
Brevard sandy loam, 8 to 15 percent slopes	II	I	I

Map Unit Name	Agri	For	Hort
Brevard-Greenlee complex, extremely bouldery, ALL	IV	I	IV
Buladean-Chestnut complex, 15 to 30 percent slopes, stony	IV	I	III
Buladean-Chestnut complex, stony, ALL OTHER	IV	I	IV
Burton stony loam, ALL	IV	V	IV
Burton-Craggey complex, windswept, ALL	IV	VI	IV
Burton-Craggey-Rock outcrop complex, windswept, ALL	IV	VI	IV
Burton-Wayah complex, windswept, ALL	IV	VI	IV
Cashiers fine sandy loam, 2 to 8 percent slopes	II	I	I
Cashiers fine sandy loam, 8 to 15 percent slopes	II	I	II
Cashiers fine sandy loam, 15 to 30 percent slopes, stony	IV	I	II
Cashiers fine sandy loam, 30 to 50 percent slopes, stony	IV	I	III
Cashiers fine sandy loam, 50 to 95 percent slopes, stony	IV	I	IV
Cashiers gravelly fine sandy loam, 8 to 15 percent slopes	II	I	II
Cashiers gravelly fine sandy loam, 15 to 30 percent slopes	IV	I	II
Cashiers gravelly fine sandy loam, 30 to 50 percent slopes	IV	I	III
Cashiers gravelly fine sandy loam, 50 to 95 percent slopes	IV	I	IV
Cashiers sandy loam, 8 to 15 percent slopes, stony	II	I	II
Cashiers sandy loam, 15 to 30 percent slopes, stony	IV	I	II
Cashiers sandy loam, 30 to 50 percent slopes, stony	IV	I	III
Cashiers sandy loam, 50 to 95 percent slopes, stony	IV	I	IV
Cataska-Rock outcrop complex, 30 to 95 percent slopes	IV	VI	IV
Cataska-Sylco complex, 50 to 95 percent slopes	IV	VI	IV
Chandler and Fannin soils, 25 to 45 percent slopes	IV	I	IV
Chandler gravelly fine sandy loam, 8 to 15 percent slopes	IV	III	II
Chandler gravelly fine sandy loam, 15 to 30 percent slopes	IV	III	II
Chandler gravelly fine sandy loam, 30 to 50 percent slopes	IV	III	III
Chandler gravelly fine sandy loam, ALL OTHER	IV	III	IV
Chandler gravelly fine sandy loam, windswept, ALL	IV	VI	IV
Chandler loam, 2 to 8 percent slopes	III	III	II
Chandler loam, 8 to 15 percent slopes	IV	III	II
Chandler loam, 15 to 25 percent slopes	IV	III	III
Chandler loam, 25 to 65 percent slopes	IV	III	IV
Chandler silt loam, 10 to 25 percent slopes	IV	III	II
Chandler silt loam, 25 to 45 percent slopes	IV	III	III
Chandler stony loam, 45 to 70 percent slopes	IV	III	IV
Chandler stony silt loam, ALL	IV	III	IV
Chandler-Micaville complex, 8 to 15 percent slopes	IV	III	II
Chandler-Micaville complex, 15 to 30 percent slopes, stony	IV	III	II
Chandler-Micaville complex, 30 to 50 percent slopes, stony	IV	III	III
Chandler-Micaville complex, 50 to 95 percent slopes, stony	IV	III	IV
Cheoah channery loam, ALL	IV	I	IV
Cheoah channery loam, stony, ALL	IV	I	IV
Cheoah channery loam, windswept, stony	IV	VI	IV
Chester clay loam, 15 to 45 percent slopes, eroded (Evard)	IV	I	III
Chester fine sandy loam, 6 to 15 percent slopes (Evard)	II	I	I
Chester fine sandy loam, 15 to 25 percent slopes (Evard)	II	I	III
Chester fine sandy loam, 25 to 45 percent slopes (Evard)	IV	I	III
Chester loam, 2 to 6 percent slopes	II	I	I
Chester loam, 6 to 10 percent slopes	III	I	I
Chester loam, 10 to 25 percent slopes	IV	I	II
Chester loam, 25 to 45 percent slopes	IV	I	III
Chester stony loam, 10 to 15 percent slopes (Evard)	III	I	III

Map Unit Name	Agri	For	Hort
Chester stony loam, (Evard), ALL OTHER	IV	I	IV
Chestnut and Edneyville soils, 15 to 25 percent slopes	IV	I	II
Chestnut and Edneyville soils, 25 to 50 percent slopes	IV	I	III
Chestnut gravelly loam, 50 to 80 percent slopes	IV	III	IV
Chestnut-Ashe complex, ALL	IV	III	IV
Chestnut-Buladean complex, 8 to 15 percent slopes, rocky	III	III	III
Chestnut-Buladean complex, stony, ALL	IV	III	IV
Chestnut-Cleveland-Rock outcrop complex, windswept, ALL	IV	VI	IV
Chestnut-Edneyville complex, 8 to 25 percent slopes, stony	IV	III	III
Chestnut-Edneyville complex, 25 to 60 percent slopes, stony	IV	III	IV
Chestnut-Edneyville complex, windswept, stony, ALL	IV	VI	IV
Chestoa-Ditney-Rock outcrop complex, 30 to 95 percent slopes, very	IV	VI	IV
bouldery			
Cleveland-Chestnut-Rock outcrop complex, windswept, ALL	IV	VI	IV
Cleveland-Rock outcrop complex, 8 to 90 percent slopes	IV	VI	IV
Cliffield-Cowee complex, 15 to 30 percent slopes, very stony	IV	V	IV
Cliffield-Fairview complex, 15 to 25 percent slopes	IV	V	IV
Cliffield-Pigeonroost complex, very stony, ALL	IV	V	IV
Cliffield-Rhodhiss complex, 25 to 60 percent slopes, very stony	IV	V	IV
Cliffield-Rock outcrop complex, 50 to 95 percent slopes	IV	VI	IV
Cliffield-Woolwine complex, 8 to 15 percent slopes	IV	V	IV
Clifton (Evard) stony loam, ALL	IV	I	IV
Clifton clay loam, 8 to 15 percent slopes, eroded	III	I	III
Clifton clay loam, 15 to 30 percent slopes, eroded	IV	I	III
Clifton clay loam, 30 to 50 percent slopes, eroded	IV	I	IIII
Clifton loam, 2 to 8 percent slopes	II	I	I
Clifton loam, 6 to 10 percent slopes	II	I	I
Clifton loam, 8 to 15 percent slopes	II	I	II
Clifton loam, 10 to 25 percent slopes	IV	I	II
Clifton loam, 15 to 25 percent slopes	IV	I	II
Clifton loam, 25 to 45 percent slopes	IV	I	III
Clifton stony loam, 15 to 45 percent slopes	IV	I	IV
Clingman-Craggey-Rock outcrop complex, windswept, 15 to 95 percent	IV	VI	IV
slopes, extremely bouldery	1,	, ,	1
Codorus, ALL	II	II	III
Colvard, ALL	I	II	III
Comus, ALL	I	II	III
Cowee gravelly loam, stony, ALL	IV	V	IV
Cowee-Evard-Urban land complex, 15 to 30 percent slopes	IV	III	IV
Cowee-Saluda complex, stony, ALL	IV	V	IV
Craggey-Rock outcrop complex, 40 to 90 percent slopes	IV	VI	IV
Craggey-Rock outcrop-Clingman complex, windswept, rubbly, ALL	IV	VI	IV
Crossnore-Jeffrey complex, very stony, ALL	IV	I	IV
Cullasaja cobbly fine sandy loam, 8 to 30 percent slopes, very bouldery	IV	II	IV
Cullasaja cobbly loam, extremely bouldery, ALL	IV	II	IV
Cullasaja very cobbly fine sandy loam, extremely bouldery, ALL	IV	II	IV
Cullasaja very cobbly loam, extremely bouldery, ALL	IV	II	IV
Cullasaja very cobbly sandy loam, extremely bouldery, ALL	IV	II	IV
Cullasaja-Tuckasegee complex, 8 to 15 percent slopes, stony	IV	II	II
Cullasaja-Tuckasegee complex, 15 to 30 percent slopes, stony	IV	II	II
Cullasaja-Tuckasegee complex, 30 to 50 percent slopes, stony	IV	II	III
Cullasaja-Tuckasegee complex, 50 to 90 percent slopes, stony	IV	II	IV
Cullasaja-Tuckasegee complex, 50 to 95 percent slopes, stony	IV	II	IV
Canadaja Tuckadegee complex, 30 to 73 percent slopes, stony	1 4	11	1 4

Map Unit Name	Agri	For	Hort
Cullasaja-Tusquitee complex, 10 to 45 percent slopes	IV	II	III
Cullowhee fine sandy loam, 0 to 2 percent slopes, occasionally flooded	II	II	II
Cullowhee, frequently flooded, ALL	IV	II	IV
Cullowhee-Nikwasi complex, 0 to 2 percent slopes, frequently flooded	IV	II	IV
Delanco (Dillard) loam, ALL	I	I	I
Delanco fine sandy loam, 2 to 6 percent slopes	II	I	I
Dellwood gravelly fine sandy loam, 0 to 5 percent slopes, frequently flooded	IV	II	IV
Dellwood, occasionally flooded, ALL	III	II	III
Dellwood-Reddies complex, 0 to 3 percent slopes, occasionally flooded	III	II	III
Dellwood-Urban land complex, 0 to 3 percent slopes, occasionally flooded	IV	II	IV
Dillard, ALL	I	I	I
Dillsboro clay loam, 2 to 8 percent slopes	I	I	I
Dillsboro clay loam, 8 to 15 percent slopes, rarely flooded	II	I	II
Dillsboro clay loam, 8 to 15 percent slopes, stony	III	I	II
Dillsboro clay loam, 15 to 30 percent slopes, stony	IV	I	II
Dillsboro loam, 2 to 8 percent slopes	I	I	I
Dillsboro loam, 8 to 15 percent slopes	II	I	II
Dillsboro-Urban land complex, 2 to 15 percent slopes	IV	I	IV
Ditney-Unicoi complex, very stony, ALL	IV	VI	IV
Ditney-Unicoi complex, 50 to 95 percent slopes, very rocky	IV	VI	IV
Ditney-Unicoi-Rock outcrop complex, ALL	IV	VI	IV
Edneytown gravelly sandy loam, 8 to 25 percent slopes	IV	I	III
Edneytown-Chestnut complex, 30 to 50 percent slopes, stony	IV	I	III
Edneytown-Chestnut complex, 50 to 80 percent slopes, stony	IV	I	IV
Edneytown-Pigeonroost complex, 8 to 15 percent slopes, stony	III	I	III
Edneytown-Pigeonroost complex, 15 to 30 percent slopes, stony	IV	I	III
Edneytown-Pigeonroost complex, 30 to 50 percent slopes, stony	IV	I	IV
Edneyville (Edneytown) fine sandy loam, 7 to 15 percent slopes	III	I	III
Edneyville (Edneytown) fine sandy loam, 15 to 25 percent slopes	IV	I	IV
Edneyville (Edneytown) fine sandy loam, 25 to 45 percent slopes	IV	I	IV
Edneyville loam, 15 to 25 percent slopes	IV	I	II
Edneyville loam, 25 to 45 percent slopes	IV	I	III
Edneyville stony loam, 45 to 70 percent slopes	IV	I	IV
Edneyville-Chestnut complex, 2 to 8 percent slopes, stony	III	I	III
Edneyville-Chestnut complex, 8 to 15 percent slopes, stony	IV	I	III
Edneyville-Chestnut complex, 10 to 25 percent slopes, stony	IV	I	III
Edneyville-Chestnut complex, 15 to 30 percent slopes, stony	IV	I	III
Edneyville-Chestnut complex, ALL OTHER	IV	I	IV
Edneyville-Chestnut-Urban land complex, ALL	IV	I	IV
Ellijay silty clay loam, 2 to 8 percent slopes, eroded	III	I	I
Ellijay silty clay loam, 8 to 15 percent slopes, eroded	IV	I	I
Ellijay silty clay loam, eroded, ALL OTHER	IV	I	II
Elsinboro loam, ALL	I	I	I
Eutrochrepts, mined, 30 to 50 percent slopes, very stony	IV	VI	IV
Evard and Saluda fine sandy loams, 25 to 60 percent slopes	IV	I	IV
Evard fine sandy loam, 7 to 15 percent slopes	III	I	II
Evard fine sandy loam, 15 to 25 percent slopes	IV	I	II
Evard fine sandy loam, 25 to 50 percent slopes	IV	I	III
Evard gravelly sandy loam, 6 to 15 percent slopes	III	I	II
Evard gravelly sandy loam, 15 to 25 percent slopes	IV	I	III
Evard loam, ALL	IV	I	IV
Evard soils, 15 to 25 percent slopes	IV	I	III

Map Unit Name	Agri	For	Hort
Evard soils, ALL OTHER	IV	I	IV
Evard stony loam, 25 to 60 percent slopes	IV	I	IV
Evard-Cowee complex, 2 to 8 percent slopes	III	I	II
Evard-Cowee complex, 8 to 15 percent slopes	III	I	II
Evard-Cowee complex, 8 to 15 percent slopes, eroded	III	I	II
Evard-Cowee complex, 8 to 25 percent slopes, stony	IV	I	III
Evard-Cowee complex, ALL OTHER	IV	I	IV
Evard-Cowee-Urban land complex, ALL	IV	I	IV
Fannin fine sandy loam, 8 to 15 percent slopes	III	I	I
Fannin fine sandy loam, 15 to 30 percent slopes	IV	I	II
Fannin fine sandy loam, 15 to 30 percent slopes, stony	IV	Ī	II
Fannin fine sandy loam, 30 to 50 percent slopes	IV	I	II
Fannin fine sandy loam, 30 to 50 percent slopes	IV	I	III
Fannin fine sandy loam, 50 to 95 percent slopes, story	IV	I	III
Fannin loam, 8 to 15 percent slopes	III	I	II
Fannin loam, 15 to 25 percent slopes	IV	I	III
Fannin loam, 25 to 45 percent slopes	IV	I	III
Fannin loam, 30 to 50 percent slopes, eroded	IV	I	III
Fannin loam, 45 to 70 percent slopes	IV	I	IV
Famin roam, 43 to 70 percent stopes Fannin sandy clay loam, 8 to 15 percent slopes, eroded	III	I	II
	IV	I	III
Fannin sandy clay loam, eroded, ALL OTHER	+		1
Fannin silt loam, 6 to 10 percent slopes, eroded	III	I	II
Fannin silt loam, 7 to 15 percent slopes	III	I	II
Fannin silt loam, 10 to 25 percent slopes, eroded	IV	I	III
Fannin silt loam, 15 to 25 percent slopes	IV	I	III
Fannin silt loam, 25 to 45 percent slopes	IV	I	III
Fannin silty clay loam, 15 to 45 percent slopes, eroded	IV	I	IV
Fannin-Chestnut complex, 50 to 85 percent slopes, rocky	IV	I	IV
Fannin-Cowee complex, 15 to 30 percent slopes, stony	IV	I	III
Fannin-Cowee complex, stony, ALL OTHER	IV	I	IV
Fannin-Urban land complex, 2 to 15 percent slopes	IV	I	IV
Fletcher and Fannin soils, 6 to 15 percent slopes	III	I	II
Fletcher and Fannin soils, 15 to 25 percent slopes	IV	I	II
Fluvaquents-Udifluvents complex, occasionally flooded, ALL	III	II	IV
Fontaflora-Ostin complex	IV	II	IV
French fine sandy loam, 0 to 3 percent slopes, frequently flooded	IV	II	IV
Greenlee ALL	IV	I	IV
Greenlee-Ostin complex, 3 to 40 percent slopes, very stony	IV	I	IV
Greenlee-Tate complex, ALL	IV	I	IV
Greenlee-Tate-Ostin complex, 1 to 15 percent slopes, extremely stony	IV	I	IV
Gullied land	IV	VI	IV
Harmiller-Shinbone complex, 15 to 30 percent slopes, stony	IV	III	III
Harmiller-Shinbone complex, 30 to 50 percent slopes, stony	IV	III	III
Hatboro loam	IV	II	IV
Hayesville channery fine sandy loam, 8 to 15 percent slopes, very stony	IV	I	II
Hayesville channery fine sandy loam, 15 to 25 percent slopes, very stony	IV	I	III
Hayesville channery fine sandy loam, 25 to 60 percent slopes, very stony	IV	I	IV
Hayesville clay loam, 2 to 8 percent slopes, eroded	III	I	II
Hayesville clay loam, 6 to 15 percent slopes, eroded	IV	I	II
Hayesville clay loam, 8 to 15 percent slopes, eroded	IV	I	II
Hayesville clay loam, 10 to 25 percent slopes, severely eroded	IV	I	III
Hayesville clay loam, 15 to 30 percent slopes, eroded	IV	I	III

Map Unit Name	Agri	For	Hort
Hayesville fine sandy loam, 6 to 15 percent slopes	III	I	I
Hayesville fine sandy loam, 8 to 15 percent slopes	III	I	I
Hayesville fine sandy loam, 15 to 25 percent slopes	III	I	II
Hayesville fine sandy loam, 15 to 30 percent slopes	III	I	II
Hayesville fine sandy loam, 25 to 50 percent slopes	IV	I	III
Hayesville loam, 2 to 7 percent slopes	II	I	I
Hayesville loam, 2 to 8 percent slopes	II	I	I
Hayesville loam, 6 to 10 percent slopes	II	I	I
Hayesville loam, 6 to 15 percent slopes	III	I	I
Hayesville loam, 7 to 15 percent slopes	III	I	I
Hayesville loam, 8 to 15 percent slopes	III	I	I
7 / 1 1	III	I	II
Hayesville loam, 10 to 25 percent slopes			1
Hayesville loam, 15 to 25 percent slopes	III	I	II
Hayesville loam, 15 to 30 percent slopes	III	I	II
Hayesville sandy clay loam, 15 to 30 percent slopes, eroded	IV	I	III
Hayesville sandy clay loam, eroded, ALL OTHER	III	I	II
Hayesville-Evard complex, 15 to 25 percent slopes	III	I	II
Hayesville-Evard-Urban land complex, 15 to 25 percent slopes	IV	I	IV
Hayesville-Sauratown complex, 2 to 8 percent slopes	II	I	II
Hayesville-Sauratown complex, 8 to 15 percent slopes	III	I	II
Hayesville-Sauratown complex, 15 to 25 percent slopes	III	I	III
Hayesville-Sauratown complex, 25 to 60 percent slopes	IV	I	III
Hayesville-Urban land complex, ALL	IV	I	IV
Haywood stony loam, 15 to 25 percent slopes	IV	I	III
Haywood stony loam, 25 to 50 percent slopes	IV	I	IV
Hemphill, rarely flooded, ALL	IV	II	IV
Humaquepts, loamy, 2 to 8 percent slopes, stony	IV	II	IV
Huntdale clay loam, 8 to 15 percent slopes, stony	III	I	II
Huntdale clay loam, 15 to 30 percent slopes, stony	IV	I	II
Huntdale clay loam, 30 to 50 percent slopes, stony	IV	I	III
Huntdale silty clay loam, 15 to 30 percent slopes, stony	IV	I	II
Huntdale silty clay loam, 30 to 50 percent slopes, very stony	IV	I	III
Huntdale silty clay loam, 50 to 95 percent slopes, very stony	IV	I	IV
Iotla sandy loam, 0 to 2 percent slopes, occasionally flooded	II	II	III
Junaluska-Brasstown complex, 6 to 25 percent slopes	IV	IV	II
Junaluska-Brasstown complex, 15 to 30 percent slopes	IV	IV	III
Junaluska-Brasstown complex, 25 to 60 percent slopes	IV	IV	III
Junaluska-Brasstown complex, 30 to 50 percent slopes	IV	IV	IV
Junaluska-Tsali complex, ALL	IV	IV	IV
Keener-Lostcove complex, 15 to 30 percent slopes, very stony	IV	I	III
Keener-Lostcove complex, 30 to 50 percent slopes, very stony	IV	I	IV
Kinkora loam	IV	I	III
Lonon loam, 2 to 8 percent slopes	I	I	I
Lonon loam, 8 to 15 percent slopes	II	I	I
Lonon loam, 15 to 30 percent slopes	IV	I	II
Lonon-Northcove complex, 6 to 15 percent slopes	IV	I	III
Maymead fine sandy loam, ALL	IV	I	II
Maymead-Greenlee-Potomac complex, 3 to 25 percent slopes	IV	I	IV
Nikwasi, ALL	IV	II	IV
Northcove very cobbly loam, ALL	IV	I	IV
Northcove-Maymead complex, extremely stony, ALL	IV	I	IV
Oconaluftee channery loam, ALL	IV	VI	IV
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Map Unit Name	Agri	For	Hort
Oconaluftee channery loam, windswept, ALL	IV	VI	IV
Ostin, occasionally flooded, ALL	IV	II	IV
Pigeonroost-Edneytown complex, stony, ALL	IV	I	III
Pineola gravelly loam, 2 to 8 percent slopes	IV	I	II
Pineola gravelly loam, 8 to 15 percent slopes, stony	IV	I	II
Pineola gravelly loam, 15 to 30 percent slopes, stony	IV	I	III
Pits, ALL	IV	VI	IV
Plott fine sandy loam, 8 to 15 percent slopes, stony	III	I	II
Plott fine sandy loam, 15 to 30 percent slopes, stony	IV	I	II
Plott fine sandy loam, 30 to 50 percent slopes, stony	IV	I	III
Plott fine sandy loam, 50 to 95 percent slopes, stony	IV	I	IV
Plott loam, 15 to 30 percent slopes, stony	IV	I	II
Plott loam, 30 to 50 percent slopes, stony	IV	I	III
Plott loam, 50 to 95 percent slopes, stony	IV	I	IV
Ponzer muck, cool variant	IV	VI	IV
Porters gravelly loam, 8 to 15 percent slopes, stony	III	I	II
Porters gravelly loam, 15 to 30 percent slopes, stony	IV	I	II
Porters gravelly loam, 30 to 50 percent slopes, stony	IV	I	III
Porters gravelly loam, 50 to 80 percent slopes, stony	IV	I	IV
Porters loam, 25 to 45 percent slopes	IV	I	III
Porters loam, 25 to 80 percent slopes, stony	IV	I	IV
Porters loam, 30 to 50 percent slopes, stony	IV	I	IV
Porters loam, ALL OTHER	IV	I	II
Porters stony loam, 10 to 25 percent slopes	IV	I	II
Porters stony loam, 15 to 25 percent slopes	IV	I	II
Porters stony loam, 15 to 45 percent slopes	IV	I	II
Porters stony loam, 25 to 45 percent slopes	IV	I	III
Porters stony loam, ALL OTHER	IV	I	IV
Porters-Unaka complex, 8 to 15 percent slopes, stony	IV	I	II
Porters-Unaka complex, 15 to 30 percent slopes, stony	IV	I	II
Porters-Unaka complex, 30 to 50 percent slopes, stony	IV	I	III
Porters-Unaka complex, 50 to 95 percent slopes, rocky	IV	I	IV
Potomac, frequently flooded, ALL	IV	II	IV
Potomac-Iotla complex, 0 to 3 percent slopes, mounded, frequently flooded	IV	II	IV
Rabun loam, 6 to 25 percent slopes	IV	I	II
Rabun loam, 25 to 50 percent slopes	IV	I	III
Reddies, occasionally flooded	II	II	II
Reddies, frequently flooded, ALL	IV	II	IV
Rock outcrop	IV	VI	IV
Rock outcrop-Ashe complex, ALL	IV	VI	IV
Rock outcrop-Ashe-Cleveland complex, ALL	IV	VI	IV
Rock outcrop-Cataska complex, ALL	IV	VI	IV
Rock outcrop-Cleveland complex, ALL	IV	VI	IV
Rock outcrop-Cleveland complex, windswept, ALL	IV	VI	IV
Rock outcrop-Craggey complex, windswept, ALL	IV	VI	IV
Rosman, frequently flooded, ALL	IV	II	IV
Rosman, ALL OTHER	I	II	I
Rosman-Reddies complex, 0 to 3 percent slopes, occasionally flooded	I	II	I
Saunook gravelly loam, 2 to 8 percent slopes	I	I	I
Saunook gravelly loam, 8 to 15 percent slopes	I	I	I
Saunook gravelly loam, 8 to 15 percent slopes, stony	II	I	II
Saunook gravelly loam, 15 to 30 percent slopes	IV	I	II

Map Unit Name	Agri	For	Hort
Saunook gravelly loam, 15 to 30 percent slopes, stony	IV	I	II
Saunook gravelly loam, 30 to 50 percent slopes, stony	IV	I	III
Saunook loam, 2 to 8 percent slopes	I	I	I
Saunook loam, 8 to 15 percent slopes	I	I	I
Saunook loam, 8 to 15 percent slopes, stony	II	I	II
Saunook loam, 15 to 30 percent slopes, stony	IV	I	II
Saunook loam, 15 to 30 percent slopes, sterly	IV	I	III
Saunook loam, 30 to 50 percent slopes, very stony	IV	I	IV
Saunook sandy loam, 2 to 8 percent slopes	I	I	I
Saunook sandy loam, 8 to 15 percent slopes, stony	II	I	II
Saunook silt loam, 2 to 8 percent slopes	I	I	I
Saunook silt loam, 8 to 15 percent slopes, stony	II	I	II
Saunook-Nikwasi complex, 2 to 15 percent slopes	IV	I	III
Saunook-Thunder complex, ALL	IV	I	III
Saunook-Titulider complex, ALL Saunook-Urban land complex, 2 to 15 percent slopes	IV	I	IV
Sauratown channery fine sandy loam, 8 to 15 percent slopes	IV	V	III
Sauratown channery fine sandy loam, 8 to 15 percent slopes Sauratown channery fine sandy loam, 8 to 15 percent slopes, very stony	IV	V	III
	IV	V	IV
Sauratown channery fine sandy loam, ALL OTHER	IV	VI	IV
Soco-Cataska-Rock outcrop complex, 50 to 95 percent slopes	IV		
Soco-Ditney complex, 6 to 25 percent slopes, stony	IV	III	III
Soco-Ditney complex, 8 to 15 percent slopes, very stony		III	III
Soco-Ditney complex, 15 to 30 percent slopes, very stony	IV	III	III
Soco-Ditney complex, ALL OTHER	IV	III	IV
Soco-Stecoah complex, 8 to 15 percent slopes, stony	IV	III	II
Soco-Stecoah complex, 15 to 30 percent slopes	IV	III	III
Soco-Stecoah complex, 15 to 30 percent slopes, stony	IV	III	III
Soco-Stecoah complex, ALL OTHER	IV	III	IV
Soco-Stecoah complex, windswept, 30 to 50 percent slopes	IV	VI	IV
Spivey cobbly loam, extremely bouldery, ALL	IV	I	IV
Spivey stony loam, 10 to 40 percent slopes	IV	I	IV
Spivey-Santeetlah complex, 8 to 15 percent slopes, stony	IV	I	III
Spivey-Santeetlah complex, 15 to 30 percent slopes, stony	IV	I	III
Spivey-Santeetlah complex, stony, ALL OTHER	IV	I	IV
Spivey-Whiteoak complex, ALL	IV	I	IV
Statler, rarely flooded, ALL	Ι	I	I
Stecoah-Soco complex, 15 to 30 percent slopes, stony	IV	I	III
Stecoah-Soco complex, 30 to 50 percent slopes, stony	IV	I	III
Stecoah-Soco complex, 50 to 80 percent slopes, stony	IV	I	IV
Stony colluvial land	IV	II	IV
Stony land	IV	VI	IV
Stony steep land	IV	VI	IV
Suncook loamy sand, ALL	IV	II	II
Sylco-Cataska complex, ALL	IV	IV	IV
Sylco-Rock outcrop complex, 50 to 95 percent slopes	IV	IV	IV
Sylco-Soco complex, 10 to 30 percent slopes, stony	IV	IV	IV
Sylva-Whiteside complex, ALL	IV	I	II
Talladega, ALL	IV	IV	IV
Tanasee-Balsam complex, ALL	IV	VI	IV
Tate fine sandy loam, 2 to 6 percent slopes	I	I	I
Tate fine sandy loam, 2 to 7 percent slopes	I	I	I
Tate fine sandy loam, 2 to 8 percent slopes	I	I	I
Tate fine sandy loam, 2 to 8 percent slopes, very stony	IV	I	II

Map Unit Name	Agri	For	Hort
Tate fine sandy loam, 6 to 15 percent slopes	II	I	I
Tate fine sandy loam, 7 to 15 percent slopes	II	I	I
Tate fine sandy loam, 8 to 15 percent slopes	II	I	I
Tate fine sandy loam, 8 to 25 percent slopes	IV	I	II
Tate fine sandy loam, 15 to 25 percent slopes	IV	I	II
Tate gravelly loam, 8 to 15 percent slopes	II	I	I
Tate gravelly loam, 8 to 15 percent slopes, stony	II	I	II
Tate gravelly loam, 15 to 30 percent slopes, stony	IV	I	II
Tate loam, 2 to 6 percent slopes	I	I	I
Tate loam, 2 to 8 percent slopes	I	I	I
Tate loam, 6 to 10 percent slopes	II	I	I
Tate loam, 6 to 15 percent slopes	II	I	I
Tate loam, 8 to 15 percent slopes	II	I	I
Tate loam, 10 to 15 percent slopes	II	I	I
Tate loam, 15 to 25 percent slopes	IV	I	II
Tate loam, 15 to 30 percent slopes	IV	I	II
Tate-Cullowhee complex, 0 to 25 percent slopes	IV	I	II
Tate-French complex, 2 to 10 percent slopes	II	I	II
Tate-Greenlee complex, ALL	IV	I	IV
Thunder-Saunook complex, ALL	IV	II	IV
Toecane-Tusquitee complex, ALL	IV	II	III
Toxaway, ALL	IV	II	IV
Transylvania silt loam	I	II	II
Trimont gravelly loam, ALL	IV	I	IV
Tuckasegee-Cullasaja complex, 8 to 15 percent slopes, stony	IV	II	III
Tuckasegee-Cullasaja complex, 15 to 30 percent slopes, very stony	IV	II	IV
Tuckasegee-Cullasaja complex, 30 to 50 percent slopes, extremely stony	IV	II	IV
Tuckasegee-Whiteside complex, 2 to 8 percent slopes	I	II	I
Tuckasegee-Whiteside complex, 8 to 15 percent slopes	II	II	I
Tusquitee and Spivey stony soils, ALL	IV	I	IV
Tusquitee loam, 6 to 10 percent slopes	I	I	I
Tusquitee loam, 6 to 15 percent slopes	II	I	I
Tusquitee loam, 7 to 15 percent slopes	II	I	I
Tusquitee loam, 8 to 15 percent slopes	II	I	I
Tusquitee loam, 10 to 15 percent slopes	II	I	I
Tusquitee loam, 15 to 25 percent slopes	IV	I	II
Tusquitee stony loam, 25 to 45 percent slopes	IV	I	IV
Tusquitee stony loam, ALL OTHER	IV	I	III
Udifluvents, frequently flooded, ALL	IV	II	IV
Udorthents, loamy, ALL	IV	V	IV
Udorthents-Pits complex, mounded, 0 to 2 percent slopes, occasionally	IV	V	IV
flooded	1 V	· ·	1 V
Udorthents-Urban land complex, ALL	IV	V	IV
Unaka-Porters complex, very rocky, ALL	IV	V	IV
Unaka-Rock outcrop complex, 50 to 95 percent slopes, very bouldery	IV	VI	IV
Unicoi-Rock outcrop complex, 30 to 95 percent slopes, very bouldery	IV	V	IV
Unison fine sandy loam, 2 to 8 percent slopes	I	I	I
Unison fine sandy loam, 8 to 15 percent slopes Unison fine sandy loam, 8 to 15 percent slopes	II	I	I
Unison fine sandy loam, 8 to 13 percent slopes Unison fine sandy loam, 15 to 25 percent slopes	IV	I	I
Unison loam, 2 to 8 percent slopes	1 V	I	I
Unison loam, 8 to 15 percent slopes	II	I	I
Unison loam, 8 to 15 percent slopes Unison loam, 15 to 30 percent slopes	IV	I Ī	I
		-	
Urban land	IV	VI	II

Map Unit Name	Agri	For	Hort
Watauga loam, 6 to 10 percent slopes	III	I	II
Watauga loam, 6 to 15 percent slopes	III	I	II
Watauga loam, 8 to 15 percent slopes	III	I	II
Watauga loam, ALL OTHER	IV	I	III
Watauga sandy loam, 8 to 15 percent slopes, stony	III	I	II
Watauga sandy loam, 15 to 30 percent slopes, stony	IV	I	II
Watauga sandy loam, 30 to 50 percent slopes, stony	IV	I	III
Watauga stony loam, 15 to 45 percent slopes	IV	I	IV
Wayah loam, windswept, eroded, stony, ALL	IV	VI	IV
Wayah sandy loam, stony, ALL	IV	V	IV
Wayah sandy loam, windswept, stony, ALL	IV	VI	IV
Wayah-Burton complex, 15 to 30 percent slopes, bouldery	IV	V	IV
Wayah-Burton complex, 30 to 50 percent slopes, bouldery	IV	V	IV
Wayah-Burton complex, 50 to 95 percent slopes, very rocky	IV	V	IV
Wayah-Burton complex, windswept, ALL	IV	V	IV
Whiteoak cobbly loam, 8 to 15 percent slopes, stony	II	I	II
Whiteoak cobbly loam, 15 to 30 percent slopes, stony	IV	I	III
Whiteoak fine sandy loam, 2 to 8 percent slopes	I	I	I
Whiteoak fine sandy loam, 8 to 15 percent slopes, stony	II	I	II
Whiteoak fine sandy loam, 15 to 30 percent slopes, very stony	IV	I	III
Whiteside-Tuckasegee complex, 2 to 8 percent slopes	I	I	I

Map Unit Name	Agri	For	Hort
Alluvial land, wet	III	III	III
Alpin, ALL	IV	II	IV
Altavista. ALL	I	I	I
Altavista-Urban land complex, 0 to 3 percent slopes, rarely flooded	IV	I	IV
Augusta, ALL	I	I	I
Autryville loamy sand, ALL	III	II	III
Autryville, ALL OTHER	IV	II	IV
Autryville-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Aycock very fine sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Aycock, ALL OTHER	I	II	I
Ballahack fine sandy loam	I	I	I
Barclay very fine sandy loam	I	I	I
Bethera loam, 0 to 1 percent slopes	II	I	II
Bibb and Johnston soils, frequently flooded	IV	III	IV
Bibb, ALL	IV	III	IV
Blaney, ALL	IV	II	IV
Blanton, ALL	IV	V	IV
		II	
Bojac loamy fine sand, 0 to 3 percent slopes	III		III
Bonneau loamy fine sand, 0 to 4 percent slopes	II	II	II
Bonneau loamy sand, 0 to 4 percent slopes	II	II	II
Bonneau loamy sand, 0 to 6 percent slopes	II	II	II
Bonneau loamy sand, 6 to 12 percent slopes	III	II	III
Bonneau sand, 0 to 3 percent slopes	II	II	II
Butters fine sand, 0 to 2 percent slopes	II	II	II
Butters loamy sand, 0 to 2 percent slopes	II	II	II
Byars loam	II	I	II
Candor sand, 1 to 8 percent slopes	IV	V	IV
Candor sand, 8 to 15 percent slopes	IV	V	IV
Cape Fear loam	I	I	I
Caroline sandy loam, 0 to 2 percent slopes	II	II	II
Caroline sandy loam, 2 to 6 percent slopes	II	II	II
Centenary sand	IV	II	IV
Chastain and Bibb soils, 0 to 1 percent slopes, frequently flooded	IV	III	IV
Chastain silt loam, frequently flooded	IV	III	IV
Chewacla and Chastain soils, frequently flooded	IV	III	IV
Chewacla and Congaree loams, frequently flooded	III	III	III
Chewacla and Wehadkee soils, 0 to 1 percent slopes, frequently flooded	IV	III	IV
Chewacla loam	II	III	II
Chewacla loam, 0 to 1 percent slopes, occasionally flooded	II	III	II
Chewacla loam, frequently flooded	IV	III	IV
Chewacla silt loam	II	III	II
Chipley loamy sand (Pactolus)	IV	II	IV
Chipley sand, 0 to 2 percent slopes	IV	II	IV
Conetoe loamy sand, ALL	III	II	III
Congaree silt loam	I	III	I
Congaree silt loam, frequently flooded	I	III	I
Cowarts loamy sand, 2 to 6 percent slopes	II	I	II
Cowarts loamy sand, 6 to 10 percent slopes	III	I	III
Cowarts sandy loam, 6 to 12 percent slopes, eroded	IV	I	IV
Coxville loam	II	I	II
Coxville sandy loam	II	I	II
Craven fine sandy loam, 0 to 1 percent slopes	II	I	II

Map Unit Name	Agri	For	Hort
Craven fine sandy loam, 1 to 4 percent slopes	II	I	II
Craven fine sandy loam, 4 to 10 percent slopes	III	I	III
Craven loam, 1 to 4 percent slopes	II	I	II
Craven sandy clay loam, 1 to 4 percent slopes, eroded	II	I	II
Craven sandy loam, 2 to 6 percent slopes, eroded	II	I	II
Craven sandy loam, 2 to 6 percent slopes, eroded (Gritney)	II	I	II
Craven sandy loam, 6 to 10 percent slopes, eroded (Gritney)	III	I	III
Craven-Urban land complex, 0 to 4 percent slopes	IV	I	IV
Croatan muck	I	V	I
Deloss loam	I	III	I
Dogue, ALL	II	I	II
Dothan loamy sand, 2 to 6 percent slopes	II	I	II
Dothan, ALL OTHER	I	I	I
Dragston loamy sand	I	III	I
Dunbar, ALL	II	I	II
Duplin, ALL	II	I	II
Duplin-Urban land complex, 0 to 5 percent slopes	IV	I	IV
Dystrochrepts, steep	IV	II	IV
Emporia, ALL	II	II	II
Emporia-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Emporia-Wedowee complex, 2 to 6 percent slopes	II	II	II
Eustis, ALL	IV	II	IV
Exum, ALL	I	II	I
Faceville fine sandy loam, ALL	II	II	II
Faceville loamy sand, 6 to 10 percent slopes, eroded	IV	II	IV
Faceville loamy sand, ALL OTHER	II	II	II
Faceville sandy loam, 0 to 2 percent slopes	II	II	II
Faceville sandy loam, 2 to 6 percent slopes	II	II	II
Faceville sandy loam, 2 to 6 percent slopes, eroded	III	II	III
Faceville sandy loam, 6 to 10 percent slopes, eroded	IV	II	IV
Faceville-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Foreston loamy sand, ALL	II	II	II
Fuquay, ALL	IV	II	IV
Gilead loamy sand, 0 to 2 percent slopes	III	II	III
Gilead loamy sand, 10 to 15 percent slopes	IV	II	IV
Gilead loamy sand, 2 to 6 percent slopes	IV	II	IV
Gilead loamy sand, 2 to 6 percent slopes, eroded	III	II	III
Gilead loamy sand, 6 to 10 percent slopes	IV	II	IV
Gilead loamy sand, 6 to 10 percent slopes, eroded	IV	II	IV
Gilead sandy loam, 2 to 8 percent slopes	III	II	III
Gilead sandy loam, 8 to 15 percent slopes	IV	II	IV
Goldsboro, ALL	I	I	I
Goldsboro-Urban land complex, ALL	IV	I	IV
Grantham, ALL	I	I	I
Grantham-Urban land complex	IV	I	IV
Grifton-Meggett complex, occasionally flooded	IV	I	IV
Gritney fine sandy loam, 2 to 6 percent slopes	II	II	II
Gritney fine sandy loam, 2 to 7 percent slopes	II	II	II
Gritney fine sandy loam, 4 to 8 percent slopes	III	II	III
Gritney fine sandy loam, 5 to 12 percent slopes, eroded	IV	II	IV
Gritney fine sandy loam, 6 to 10 percent slopes	III	II	III
Gritney fine sandy loam, 7 to 15 percent slopes	IV	II	IV

Map Unit Name	Agri	For	Hort
Gritney fine sandy loam, 10 to 15 percent slopes	IV	II	IV
Gritney loamy fine sand, 2 to 7 percent slopes	II	II	II
Gritney sandy clay loam, ALL	III	II	III
Gritney sandy loam, 2 to 5 percent slopes, eroded	III	II	III
Gritney sandy loam, 2 to 6 percent slopes	II	II	II
Gritney sandy loam, 5 to 12 percent slopes, eroded	IV	II	IV
Gritney sandy loam, 6 to 10 percent slopes	III	II	III
Gritney-Urban land complex, 2 to 12 percent slopes	IV	II	IV
Hoffman loamy sand, 6 to 10 percent slopes, eroded (Gilead)	IV	II	IV
Hoffman loamy sand, 10 to 20 percent slopes (Gilead)	III	II	III
Johns, ALL	II	I	II
Johnston, ALL	IV	III	IV
Kalmia loamy sand, 0 to 2 percent slopes	II	II	II
Kalmia loamy sand, 0 to 3 percent slopes	II	II	II
Kalmia loamy sand, 2 to 6 percent slopes	II	II	II
Kalmia loamy sand, 10 to 15 percent slopes	III	II	III
Kalmia loamy sand, 15 to 25 percent slopes	IV	II	IV
Kenansville, ALL	III	II	III
Kinston, ALL	IV	III	IV
Kureb sand, 1 to 8 percent slopes	IV	V	IV
Lakeland, ALL	IV	V	IV
Leaf loam	III	I	III
Lenoir loam	III	I	III
Leon sand, ALL	IV	V	IV
Liddell very fine sandy loam	I	I	I
Lillington-Turbeville complex, 8 to 15 percent slopes	III	II	III
Lucy loamy sand	II	II	II
Lumbee, ALL	II	I	II
Lynchburg, ALL	I	I	I
Lynchburg-Urban land complex	IV	I	IV
Lynn Haven and Torhunta soils	II	II	II
Mantachie soils, local alluvium	II	III	II
Marlboro, ALL	II	II	II
Marlboro-Cecil complex, 2 to 8 percent slopes	II	II	II
Marvyn and Gritney soils. 6 to 15 percent slopes	IV	I	IV
Marvyn loamy sand, 6 to 12 percent slopes	IV	I	IV
Maxton loamy sand, 0 to 2 percent slopes	II	II	II
McColl loam	III	II	III
McQueen loam, 1 to 6 percent slopes	II	II	II
Meggett, ALL	IV	I	IV
Muckalee, ALL	IV	III	IV
Myatt very fine sandy loam	II	I	II
Nahunta, ALL	I	I	I
Nankin ,ALL	II	II	II
Nixonton very fine sandy loam	I	I	I
Norfolk and Faceville soils, 6 to 10 percent slopes	II	II	II
Norfolk loamy fine sand, ALL	I	II	I
Norfolk loamy sand, 0 to 2 percent slopes	I	II	I
Norfolk loamy sand, 2 to 6 percent slopes	I	II	I
Norfolk loamy sand, 2 to 6 percent slopes Norfolk loamy sand, 2 to 6 percent slopes, eroded	II	II	II
Norfolk loamy sand, 6 to 10 percent slopes	II	II	II
Norfolk loamy sand, 6 to 10 percent slopes Norfolk loamy sand, 6 to 10 percent slopes, eroded	III	II	III
INOTION TOATHY SAITH, O TO TO PETCETH STOPES, ETOUCH	111	11	111

Map Unit Name	Agri	For	Hort
Norfolk sandy loam, 0 to 2 percent slopes	I	II	I
Norfolk sandy loam, 2 to 6 percent slopes	I	II	I
Norfolk sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Norfolk sandy loam, 6 to 10 percent slopes	II	II	II
Norfolk, Georgeville, and Faceville soils, 2 to 8 percent slopes	II	II	II
Norfolk-Urban land complex, 0 to 3 percent slopes	IV	II	IV
Norfolk-Wedowee complex, 2 to 6 percent slopes	II	II	II
Ocilla, ALL	III	II	III
Okenee loam (Paxville)	II	III	II
Orangeburg loamy sand, eroded, ALL	II	II	II
Orangeburg loamy sand, ALL OTHER	I	II	I
Pactolus, ALL	IV	II	IV
Pamlico muck	III	V	III
Pantego, ALL	I	I	I
Paxville fine sandy loam	II	III	II
Paxville loam	II	III	II
Peawick, ALL Pits-Tarboro complex	II IV	II VI	II IV
Plummer and Osier soils	IV	I	IV
Plummer, ALL	IV	V	IV
Pocalla loamy sand, 0 to 3 percent slopes	III	II	III
Polawana loamy sand, frequently flooded	IV	III	IV
Ponzer muck, siliceous subsoil variant	I	V	I
Portsmouth, ALL	I	I	I
Rains, ALL	I	I	I
Rains-Toisnot complex, 0 to 2 percent slopes	IV	I	IV
Rains-Urban land complex, ALL	IV	I	IV
Rimini sand	IV	V	IV
Riverview loam, 0 to 1 percent slopes, occasionally flooded	I	III	I
Roanoke and Wahee loams	II	III	II
Roanoke, ALL	II	III	II
Roanoke-Urban land complex	IV	III	IV
Ruston loamy sand, ALL	III	II	III
Ruston sandy loam, 2 to 6 percent slopes, eroded	IV	II	IV
Rutlege loamy sand	IV	V	IV
Seabrook loamy sand, rarely flooded	IV	II	IV
Smoothed sandy land	IV	VI	IV
St. Lucie sand (Kureb)	IV	V	IV
Stallings, ALL	II	II	II
State, ALL	I	I	I
Swamp	IV	III	IV
Tarboro, ALL	IV	II	IV
Toisnot, ALL	IV	II	IV
Tomahawk sand	III	II	III
Tomotley, ALL	I	I	I
Torhunta and Lynn Haven soils	II	I	II
Torhunta, ALL	I	I	I
Trebloc loam	I	I	I
Troup sand	IV	II	IV
Turbeville fine sandy loam, 2 to 6 percent slopes	I	II	I
Turbeville gravelly sandy loam, 2 to 8 percent slopes	II	II	II
Turbeville loamy sand, 0 to 2 percent slopes	I	II	I

Map Unit Name	Agri	For	Hort
Turbeville loamy sand, 2 to 6 percent slopes	I	II	I
Turbeville sandy clay loam, 2 to 6 percent slopes, eroded	II	II	II
Turbeville sandy loam, 0 to 2 percent slopes	I	II	I
Turbeville sandy loam, 2 to 6 percent slopes	I	II	I
Turbeville sandy loam, 2 to 8 percent slopes	I	II	I
Turbeville sandy loam, 6 to 12 percent slopes	II	II	II
Turbeville-Urban land complex, 0 to 8 percent slopes	IV	II	IV
Uchee, ALL	III	V	III
Udorthents, loamy	IV	VI	IV
Urban land	IV	VI	IV
Varina, ALL	II	II	II
Vaucluse loamy sand, 10 to 15 percent slopes	IV	II	IV
Vaucluse loamy sand, 10 to 15 percent slopes, eroded	IV	II	IV
Vaucluse loamy sand, 2 to 6 percent slopes	III	II	III
Vaucluse loamy sand, 2 to 6 percent slopes, eroded	III	II	III
Vaucluse loamy sand, 6 to 10 percent slopes	III	II	III
Vaucluse loamy sand, 6 to 10 percent slopes, eroded	III	II	III
Wagram fine sand, 0 to 6 percent slopes	II	II	II
Wagram loamy sand, 0 to 2 percent slopes	II	II	II
Wagram loamy sand, 0 to 6 percent slopes	II	II	II
Wagram loamy sand, 2 to 6 percent slopes	II	II	II
Wagram loamy sand, 6 to 10 percent slopes	III	II	III
Wagram loamy sand, 10 to 15 percent slopes	III	II	III
Wagram sand, thick surface, 0 to 6 percent slopes	II	II	II
Wagram sand, thick surface, 6 to 10 percent slopes	III	II	III
Wagram sand, thick surface, 10 to 15 percent slopes	III	II	III
Wagram-Troup sands, 0 to 4 percent slopes	IV	II	IV
Wagram-Urban land complex, ALL	IV	II	IV
Wahee, ALL	I	I	I
Wakulla, ALL	IV	V	IV
Wehadkee and Chewacla loams	IV	III	IV
Wehadkee, ALL	IV	III	IV
Wehadkee-Chastain association, frequently flooded	IV	III	IV
Weston loamy sand	III	I	III
Wickham fine sandy loam, 6 to 15 percent slopes, rarely flooded	II	I	II
Wickham fine sandy loam, ALL OTHER	I	I	I
Wickham loamy sandy, ALL	I	I	I
Wickham sandy loam, 0 to 4 percent slopes	I	I	I
Wickham sandy loam, 2 to 6 percent slopes, eroded	II	I	II
Wickham-Urban land complex, 1 to 6 percent slopes	IV	I	IV
Wilbanks loam, frequently flooded	IV	III	IV
Wilbanks silt loam	IV	III	IV
Winton fine sandy loam, ALL	IV	I	IV
Woodington loamy sand	II	II	II

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Map Unit Name	Agri	For	Hort
Ailey-Appling complex, 2 to 8 percent slopes	II	II	II
Ailey-Appling complex, 8 to 15 percent slopes, bouldery	IV	II	III
Alamance silt loam, gently sloping phase	II	II	II
Alamance variant gravelly loam, ALL	IV	II	II
Altavista fine sandy loam, 2 to 6 percent slopes, eroded	II	I	I
Altavista fine sandy loam, 7 to 10 percent slopes	II	I	I
Altavista fine sandy loam, 0 to 2 percent slopes occasionally flooded	I	I	II
Altavista fine sandy loam, ALL OTHER	I	I	I
Altavista fine sandy loam, clayey variant	I	I	I
Altavista loam, 0 to 3 percent slopes, rarely flooded	I	I	I
Altavista sandy loam, ALL	I	I	I
Altavista silt loam, ALL	I	I	I
Appling coarse sandy loam, eroded gently sloping phase	II	II	II
Appling coarse sandy loam, eroded sloping phase	II	II	II
Appling coarse sandy loam, ALL OTHER	II	II	I
Appling fine sandy loam, 2 to 6 percent slopes	II	II	I
Appling fine sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Appling fine sandy loam, 2 to 7 percent slopes	II	II	I
Appling fine sandy loam, 2 to 7 percent slopes, eroded	II	II	II
Appling fine sandy loam, 6 to 10 percent slopes	II	II	I
Appling fine sandy loam, 6 to 10 percent slopes, eroded	II	II	II
Appling fine sandy loam, 7 to 10 percent slopes(Wedowee)	II	II	I
Appling fine sandy loam, 7 to 10 percent slopes, eroded (Wedowee)	II	II	II
Appling fine sandy loam, 10 to 14 percent slopes (Wedowee)	III	II	II
Appling fine sandy loam, 10 to 14 percent slopes, eroded (Wedowee)	III	II	II
Appling fine sandy loam, (Wedowee), ALL OTHER	IV	II	II
Appling gravelly sandy loam, 2 to 6 percent slopes	II	II	I
Appling gravelly sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Appling gravelly sandy loam, 6 to 10 percent slopes	II	II	I
Appling gravelly sandy loam, 6 to 10 percent slopes, eroded	II	II	II
Appling loamy sand, 2 to 6 percent slopes	II	II	I
Appling sandy clay loam, 6 to 10 percent slopes, severely eroded	III	II	II
Appling sandy clay loam, 10 to 15 percent slopes, severely eroded	IV	II	II
Appling sandy clay loam, severely eroded sloping phase	III	II	III
Appling sandy loam, 1 to 6 percent slopes	II	II	I
Appling sandy loam, 2 to 6 percent slopes	II	II	I
Appling sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Appling sandy loam, 2 to 8 percent slopes	II	II	I
Appling sandy loam, 6 to 10 percent slopes	II	II	I
Appling sandy loam, 6 to 10 percent slopes, eroded	II	II	II
Appling sandy loam, 6 to 12 percent slopes	II	II	II
Appling sandy loam, 8 to 15 percent slopes	II	II	II
Appling sandy loam, 10 to 15 percent slopes	III	II	II
Appling sandy loam, 10 to 15 percent slopes, eroded	III	II	II
Appling sandy loam, 10 to 25 percent slopes, eroded (Wedowee)	IV	II	II
Appling sandy loam, 15 to 25 percent slopes (Wedowee)	IV	II	II
Appling sandy loam, 15 to 25 percent slopes, eroded (Wedowee)	IV	II	II
Appling sandy loam, eroded gently sloping phase	II	II	II
Appling sandy loam, eroded sloping phase	II	II	II
Appling sandy loam, eroded strongly sloping phase	III	II	II
Appling sandy loam, gently sloping phase	II	II	I
Appling sandy loam, moderately steep phase (Wedowee)	III	II	II

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Map Unit Name	Agri	For	Hort
Appling sandy loam, sloping phase	II	II	II
Appling sandy loam, strongly sloping phase	II	II	II
Appling-Marlboro complex, 1 to 6 percent slopes	II	II	II
Appling-Urban land complex, ALL	IV	II	IV
Armenia, ALL	IV	III	III
Ashlar-Rock outcrop complex, ALL	IV	V	IV
Augusta, ALL	III	I	II
Ayersville gravelly loam, ALL	IV	V	II
Badin channery loam, 8 to 15 percent slopes	III	II	II
Badin channery silt loam, 2 to 8 percent slopes	III	II	II
Badin channery silt loam, 8 to 15 percent slopes	III	II	II
Badin channery silt loam, ALL OTHER	IV	II	II
Badin channery silty clay loam, eroded, ALL	III	II	II
Badin silty clay loam, 2 to 8 percent slopes, moderately eroded	III	II	II
Badin silty clay loam, 8 to 15 percent slopes, moderately eroded	IV	II	II
Badin-Goldston complex, 2 to 8 percent slopes	III	II	II
Badin-Goldston complex, 8 to 15 percent slopes	IV	II	III
Badin-Goldston complex, 15 to 25 percent slopes	IV	II	IV
Badin-Nanford complex, 15 to 30 percent slopes	IV	II	IV
Badin-Tarrus complex, 2 to 8 percent slopes	II	II	I
Badin-Tarrus complex, 2 to 8 percent slopes, moderately eroded	III	II	I
Badin-Tarrus complex, 8 to 15 percent slopes	III	II	II
Badin-Tarrus complex, 8 to 15 percent slopes, moderately eroded	IV	II	II
Badin-Tarrus complex, 15 to 25 percent slopes	IV	II	II
Badin-Tarrus complex, 25 to 45 percent slopes	IV	II	IV
Badin-Urban land complex, ALL	IV	II	IV
Banister loam, 1 to 6 percent slopes, rarely flooded	II	I	I
Bethlehem gravelly sandy loam, 2 to 8 percent slopes	III	II	II
Bethlehem gravelly sandy loam, 8 to 15 percent slopes	IV	II	II
Bethlehem-Hibriten complex, 6 to 15 percent slopes	IV	II	III
Bethlehem-Urban land complex, 2 to 15 percent slopes	IV	II	IV
Buncombe, ALL	IV	III	IV
Callison-Lignum complex, 2 to 6 percent slopes	III	II	II
Callison-Misenheimer complex, 6 to 10 percent slopes	III	II	II
Carbonton-Brickhaven complex, ALL	IV	II	IV
Cartecay and Chewacla soils	II	III	III
Cecil clay loam, 2 to 6 percent slopes, eroded	III	II	II
Cecil clay loam, 2 to 6 percent slopes, severely eroded	III	II	II
Cecil clay loam, 2 to 7 percent slopes, severely eroded	III	II	II
Cecil clay loam, 2 to 8 percent slopes, eroded	III	II	II
Cecil clay loam, 6 to 10 percent slopes, eroded	III	II	II
Cecil clay loam, 6 to 10 percent slopes, severely eroded	IV	II	II
Cecil clay loam, ALL OTHER	IV	II	II
Cecil fine sandy loam, 2 to 6 percent slopes	II	II	I
Cecil fine sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Cecil fine sandy loam, 2 to 7 percent slopes	II	II	I
Cecil fine sandy loam, 2 to 7 percent slopes, eroded	II	II	II
Cecil fine sandy loam, 2 to 8 percent slopes	II	II	I
Cecil fine sandy loam, 6 to 10 percent slopes	III	II	II
Cecil fine sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Cecil fine sandy loam, 7 to 10 percent slopes (Pacolet)	III	II	II
Cecil fine sandy loam, 7 to 10 percent slopes, eroded (Pacolet)	III	II	II

MLRA136 – Piedmont

Map Unit Name	Agri	For	Hort
Cecil fine sandy loam, 8 to 15 percent slopes	III	II	II
Cecil fine sandy loam, 10 to 14 percent slopes (Pacolet)	III	II	II
Cecil fine sandy loam, 10 to 14 percent slopes, eroded (Pacolet)	III	II	II
Cecil fine sandy loam, 10 to 15 percent slopes	III	II	II
Cecil fine sandy loam, 10 to 15 percent slopes (Pacolet)	III	II	II
Cecil fine sandy loam, 10 to 15 percent slopes, eroded (Pacolet)	III	II	II
Cecil fine sandy loam, 14 to 25 percent slopes (Pacolet)	IV	II	II
Cecil fine sandy loam, 14 to 25 percent slopes, eroded (Pacolet)	IV	II	II
Cecil fine sandy loam, 25 to 40 percent slopes (Pacolet)	IV	II	Ш
Cecil fine sandy loam, 25 to 40 percent slopes, eroded (Pacolet)	IV	II	Ш
Cecil fine sandy loam, eroded gently sloping phase	II	II	II
Cecil fine sandy loam, eroded sloping phase	II	II	II
Cecil fine sandy loam, eroded strongly sloping phase	III	II	II
Cecil fine sandy loam, gently sloping phase	II	II	I
Cecil fine sandy loam, moderately steep phase	III	II	II
Cecil fine sandy loam, sloping phase	III	II	II
Cecil fine sandy loam, strongly sloping phase	III	II	II
Cecil gravelly fine sandy loam, 2 to 6 percent slopes	II	II	I
Cecil gravelly fine sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Cecil gravelly fine sandy loam, 2 to 7 percent slopes	II	II	I
Cecil gravelly fine sandy loam, 2 to 7 percent slopes, eroded	III	II	II
Cecil gravelly fine sandy loam, 6 to 10 percent slopes	III	II	II
Cecil gravelly fine sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Cecil gravelly fine sandy loam, 7 to 10 percent slopes	III	II	II
Cecil gravelly fine sandy loam, 7 to 10 percent slopes, eroded (Pacolet)	III	II	II
Cecil gravelly fine sandy loam, 10 to 14 percent slopes (Pacolet)	III	II	II
Cecil gravelly fine sandy loam, 10 to 14 percent slopes, eroded (Pacolet)	III	II	II
Cecil gravelly fine sandy loam, 10 to 15 percent slopes	III	II	II
Cecil gravelly fine sandy loam, 10 to 15 percent, eroded (Pacolet)	III	II	II
Cecil gravelly fine sandy loam, ALL OTHER	IV	II	II
Cecil gravelly sandy clay loam, 2 to 8 percent slopes, eroded	III	II	II
Cecil gravelly sandy clay loam, 8 to 15 percent slopes, eroded	IV	II	II
Cecil gravelly sandy loam, 2 to 6 percent slopes	II	II	I
Cecil gravelly sandy loam, 2 to 6 percent slopes, eroded	II	II	I
Cecil gravelly sandy loam, 6 to 10 percent slopes	III	II	II
Cecil gravelly sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Cecil gravelly sandy loam, 10 to 15 percent slopes	IV	II	IV
Cecil loam, 2 to 6 percent slopes	II	II	I
Cecil loam, ALL OTHER	III	II	II
Cecil sandy clay loam, 8 to 15 percent slopes, eroded	IV	II	II
Cecil sandy clay loam, 8 to 15 percent slopes, moderately eroded	IV	II	II
Cecil sandy clay loam, ALL OTHER	III	II	II
Cecil sandy loam, 2 to 6 percent slopes	II	II	I
Cecil sandy loam, 2 to 6 percent slopes, eroded	III	II	II
Cecil sandy loam, 2 to 8 percent slopes	II	II	I
Cecil sandy loam, 2 to 8 percent slopes, eroded	III	II	II
Cecil sandy loam, 6 to 10 percent slopes	III	II	I
Cecil sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Cecil sandy loam, 8 to 15 percent slopes	III	II	II
Cecil sandy loam, 8 to 15 percent slopes, eroded	IV	II	II
Cecil sandy loam, 10 to 15 percent slopes	III	II	II
Cecil sandy loam, 10 to 15 percent slopes, eroded	III	II	II

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	Agri	For	Hort
Map Unit Name Cecil sandy loam, 10 to 15 percent slopes, eroded (Pacolet)	III	II	II
Cecil sandy loam, 15 to 45 percent slopes (Pacolet)	IV	II	II
Cecil sandy loam, eroded gently sloping phase	III	II	II
Cecil sandy loam, croded sloping phase	III	II	II
Cecil sandy loam, gently sloping phase	II	II	I
Cecil sandy loam, sloping phase	III	II	I
Cecil soils, (Pacolet), ALL	IV	II	II
Cecil stony fine sandy loam, (Uwharrie), ALL	IV	II	II
Cecil-Urban land complex, ALL	IV	II	IV
Chastain silty clay loam	IV	III	III
Chenneby silt loam, 0 to 2 percent slopes, frequently flooded	III	III	III
Chewacla and Chastain soils, 0 to 2 percent slopes, frequently flooded	IV	III	III
Chewacia and Wehadkee, ALL	IV	III	III
Chewacia and Wenaukee, ALL Chewacia silt loam, frequently flooded	III	III	III
Chewacia, ALL OTHER	II	III	III
Cid, ALL	III	II	II
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Cid-Lignum complex, 1 to 6 percent slopes	II	II	II
Cid-Misenheimer complex, 0 to 4 percent slopes	III	II	II
Cid-Urban land complex, 1 to 5 percent slopes	IV	II	IV
Meadowfield-Fairview complex, 15 to 25 percent slopes	IV	IV	IV
Meadowfield-Rhodhiss complex, 25 to 60 percent slopes, very stony	IV	IV	IV
Meadowfield-Woolwine complex, 8 to 15 percent slopes	IV	IV	IV
Claycreek fine sandy loam, 0 to 2 percent slopes	III	I	II
Colfax sandy loam, ALL	III	II	II
Colvard sandy loam, 0 to 3 percent slopes, occasionally flooded	I	III	III
Colfax silt loam	III	II	II
Congaree, frequently flooded	II	III	III
Congaree, ALL OTHER	I	III	III
Coronaca clay loam, ALL	II	II	I
Coronaca-Urban land complex, 2 to 10 percent slopes	IV	II	IV
Creedmoor coarse sandy loam, ALL	III	I	II
Creedmoor fine sandy loam, 8 to 15 percent slopes	IV	I	II
Creedmoor fine sandy loam, ALL OTHER	III	I	II
Creedmoor loam, 2 to 8 percent slopes	III	I	II
Creedmoor sandy loam, 10 to 15 percent slopes	IV	I	II
Creedmoor sandy loam, 10 to 20 percent slopes	IV	I	II
Creedmoor sandy loam, ALL OTHER	III	I	II
Creedmoor silt loam, ALL	III	I	II
Cullen clay loam, ALL	II	II	II
Cullen-Wynott complex, 15 to 35 percent slopes	IV	II	III
Cut and fill land	IV	VI	IV
Davidson clay, severely eroded strongly sloping phase	III	I	II
Davidson sandy clay loam, 15 to 25 percent slopes	III	I	I
Davidson, ALL OTHER	II	I	I
Dillard fine sandy loam, 2 to 8 percent slopes, rarely flooded	I	III	I
Dogue, ALL	II	I	I
Dogue-Roanoke complex, 0 to 6 percent slopes, rarely flooded	II	I	III
Durham coarse sandy loam, gently sloping phase	II	I	I
Durham coarse sandy loam, sloping phase	III	I	I
Durham loamy sand, 6 to 10 percent slopes, eroded	III	I	I
Durham loamy sand, ALL OTHER	II	I	I
Durham sandy loam, eroded sloping phase	II	I	I

Durham sandy loam, ALL OTHER	Map Unit Name	Agri	For	Hort
Effand silt loam, eroded gently sloping phase (Badin)			I	I
Efland silt loam, gently sloping phase (Badin)		II	II	II
Efland silt loam, gently sloping phase (Badin)		III	II	II
Efland silt loam, strongly sloping phase (Badin)		II	II	II
Efland silt clam, strongly sloping phase (Badin) III II II II Efland silty clay loam severely eroded strongly sloping phase (Badin) III II II II II II II		II	II	II
Efland silty clay loam, severely eroded strongly sloping phase (Badin) III II II II II II II				
Efland silty clay loam, severely eroded sloping phase (Badin) III II II II II II II				
Enon clay loam, 2 to 6 percent slopes, eroded				
Enon clay loam, 6 to 10 percent slopes, eroded			II	
Enon clay loam, 10 to 15 percent slopes, croded IV II II Enon clay loam, severely croded sloping phase III II II II II Enon clay loam, severely croded sloping phase IV II II II Enon clay loam, severely croded sloping phase IV II II II Enon cobbly loam, 2 to 8 percent slopes III II I	· · · · · · · · · · · · · · · · · · ·			
Enon clay loam, severely eroded sloping phase		IV	II	II
Enon clay loam, severely eroded strongly sloping phase IV II III Enon cobbly loam, 2 to 8 percent slopes III II III III III III III III III II				
Enon cobbly loam, 2 to 8 percent slopes		IV	II	II
Enon cobbly loam, 8 to 15 percent slopes Enon complex, guilied IV II IV Enon fine sandy loam, 2 to 15 percent slopes, very stony IV III III Enon fine sandy loam, 2 to 6 percent slopes, seroded III III III Enon fine sandy loam, 2 to 6 percent slopes, eroded III III III Enon fine sandy loam, 2 to 8 percent slopes III III III Enon fine sandy loam, 6 to 10 percent slopes III III III Enon fine sandy loam, 6 to 10 percent slopes III III III Enon fine sandy loam, 6 to 10 percent slopes III III III Enon fine sandy loam, 6 to 10 percent slopes III III III Enon fine sandy loam, 8 to 15 percent slopes III III III Enon fine sandy loam, 10 to 15 percent slopes III III III Enon fine sandy loam, 10 to 15 percent slopes III III III Enon fine sandy loam, 10 to 15 percent slopes III III III Enon fine sandy loam, 10 to 15 percent slopes III III III Enon fine sandy loam, eroded gently sloping phase III III III Enon fine sandy loam, eroded sloping phase III III III Enon fine sandy loam, gently sloping phase III III III Enon gravelly loam, 2 to 8 percent slopes III III III Enon gravelly loam, 8 to 15 percent slopes III III III Enon loam, 6 to 10 percent slopes III III III Enon loam, 6 to 10 percent slopes III III III Enon loam, 6 to 10 percent slopes III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, eroded strongly sloping phase III III III Enon loam, gently sloping phase III III III Enon loam, strongly sloping phase III III III Enon loam, strongly sloping phase III III III Enon loam, strongly				
Enon complex, gullied Enon fine sandy loam, 2 to 6 percent slopes, very stony IV II II Enon fine sandy loam, 2 to 6 percent slopes III III III Enon fine sandy loam, 2 to 6 percent slopes III III III Enon fine sandy loam, 2 to 6 percent slopes III III III III III III III III III II				
Enon fine sandy loam, 2 to 15 percent slopes				
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Enon fine sandy loam, 2 to 8 percent slopes				
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Enon fine sandy loam, 10 to 15 percent slopes, eroded Enon fine sandy loam, eroded gently sloping phase Enon fine sandy loam, eroded sloping phase Enon fine sandy loam, eroded sloping phase Enon fine sandy loam, gently sloping phase Enon fine sandy loam, gently sloping phase Enon fine sandy loam, gently sloping phase Enon fine sandy loam, 2 to 8 percent slopes Enon gravelly loam, 2 to 8 percent slopes III III Enon gravelly loam, 8 to 15 percent slopes III III Enon loam, 2 to 6 percent slopes III III Enon loam, 6 to 10 percent slopes III III Enon loam, 6 to 12 percent slopes III III Enon loam, eroded gently sloping phase III III Enon loam, eroded strongly sloping phase III III Enon loam, eroded strongly sloping phase III III Enon loam, sloping phase III III Enon loam, strongly sloping phase III III Enon loam, strongly sloping phase III III Enon loam, strongly sloping phase III III Enon sandy loam, 2 to 8 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon loam, strongly sloping phase III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes III III Enon sandy loam, 8 to 15 percent slopes, very stony IV III Enon-Wynott complex, 4 to 15 percent slopes, very bouldery Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III III Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded IV III Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV III	• • • •			
Enon fine sandy loam, eroded gently sloping phase III II II III III III III III III III	• • • •			
Enon fine sandy loam, eroded sloping phase III II I				
Enon fine sandy loam, gently sloping phase III III III III III III III III III I				
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Enon loam, eroded sloping phase III II I				
Enon loam, eroded strongly sloping phase III II I				
Enon loam, gently sloping phase III II II II II Enon loam, sloping phase III II I	, 1 81	III	II	II
Enon loam, sloping phase III II II II Enon loam, strongly sloping phase III II II Enon sandy loam, 2 to 8 percent slopes III III II Enon sandy loam, 8 to 15 percent slopes III III II Enon very cobbly loam, very stony, ALL IV II IV Enon very stony loam, ALL IV II IV Enon-Mayodan complex, 15 to 35 percent slopes, very stony IV II III Enon-Urban land complex, ALL IV II IV Enon-Wynott complex, 2 to 8 percent slopes Enon-Wynott complex, 4 to 15 percent slopes, very bouldery IV II IV Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded II II II Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III III Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II III Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II III Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV III III Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV III III				
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Enon very cobbly loam, very stony, ALL Enon very stony loam, ALL Enon-Mayodan complex, 15 to 35 percent slopes, very stony IV III IV Enon-Mayodan complex, 15 to 35 percent slopes, very stony IV III IV Enon-Urban land complex, ALL Enon-Wynott complex, 2 to 8 percent slopes II III III Enon-Wynott complex, 4 to 15 percent slopes, very bouldery Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded III III Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III III III III III III III				
Enon very stony loam, ALL Enon-Mayodan complex, 15 to 35 percent slopes, very stony IV III IV Enon-Urban land complex, ALL Enon-Wynott complex, 2 to 8 percent slopes III III Enon-Wynott complex, 4 to 15 percent slopes, very bouldery Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded III III Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV III III III III III III I			II	
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Enon-Urban land complex, ALL Enon-Wynott complex, 2 to 8 percent slopes II II II Enon-Wynott complex, 4 to 15 percent slopes, very bouldery Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded II II II Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II II II II II III II II II III II II II III II II II III II II II III II II II III II II II III II II II III II II II III II II II III II II II III II II II II				
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Enon-Wynott complex, 4 to 15 percent slopes, very bouldery IV II IV Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded II II II Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III II II Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II II	. /		II	
Fairview sandy clay loam, 2 to 8 percent slopes, moderately eroded II II II Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III II II Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II II		_		
Fairview sandy clay loam, 8 to 15 percent slopes, moderately eroded III II II Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II II				
Fairview sandy clay loam, 15 to 25 percent slopes, moderately eroded IV II II				
	Fairview-Urban land complex, ALL	IV	II	IV

Map Unit Name	Agri	For	Hort
Fluvaquents-Udifluvents complex, 0 to 3 percent slopes, mounded,	IV	VI	IV
occasionally flooded		, -	
Gaston clay loam, 2 to 8 percent slopes, eroded	II	II	II
Gaston clay loam, 8 to 15 percent slopes, eroded	III	II	II
Gaston loam, 15 to 25 percent slopes	III	II	II
Gaston sandy clay loam, 2 to 8 percent slopes, eroded	II	II	II
Gaston sandy clay loam, 8 to 15 percent slopes, eroded	III	II	II
Georgeville clay loam, 2 to 6 percent slopes, eroded	II	I	II
Georgeville clay loam, 2 to 8 percent slopes, eroded	II	I	II
Georgeville clay loam, 8 to 15 percent slopes, eroded	III	I	II
Georgeville gravelly loam, 2 to 6 percent slopes	II	I	I
Georgeville gravelly loam, 2 to 8 percent slopes, stony	III	I	II
Georgeville gravelly loam, 6 to 10 percent slopes	II	I	I
Georgeville gravelly loam, 10 to 25 percent slopes	IV	I	II
Georgeville gravelly silt loam, 2 to 8 percent slopes	II	I	I
Georgeville gravelly silt loam, 8 to 15 percent slopes	III	I	II
Georgeville loam, 2 to 6 percent slopes	II	I	I
Georgeville loam, 2 to 8 percent slopes	II	I	I
Georgeville loam, 6 to 10 percent slopes	II	I	I
Georgeville loam, 8 to 15 percent slopes	III	I	I
Georgeville loam, ALL OTHER	IV	I	II
Georgeville silt loam, 2 to 6 percent slopes	II	I	I
Georgeville silt loam, 2 to 6 percent slopes, eroded	III	I	II
Georgeville silt loam, 2 to 8 percent slopes	II	I	I
Georgeville silt loam, 2 to 10 percent slopes, eroded	III	I	II
Georgeville silt loam, 4 to 15 percent slopes, extremely stony	IV	I	IV
Georgeville silt loam, 6 to 10 percent slopes	II	I	I
Georgeville silt loam, 6 to 10 percent slopes, eroded	III	I	II
Georgeville silt loam, 8 to 15 percent slopes	III	I	I
Georgeville silt loam, 10 to 15 percent slopes	III	I	I
Georgeville silt loam, 10 to 15 percent slopes, eroded	III	I	II
Georgeville silt loam, 10 to 25 percent slopes	IV	I	II
Georgeville silt loam, 15 to 45 percent slopes, extremely bouldery	IV	I	IV
Georgeville silt loam, eroded gently sloping phase	II	I	II
Georgeville silt loam, eroded sloping phase	III	I	II
Georgeville silt loam, eroded strongly sloping phase	III	I	II
Georgeville silt loam, gently sloping phase	II	I	I
Georgeville silt loam, moderately steep phase	III	I	II
Georgeville silt loam, sloping phase	II	I	I
Georgeville silt loam, strongly sloping phase	III	I	I
Georgeville silty clay loam, 2 to 6 percent slopes, moderately eroded	II	I	II
Georgeville silty clay loam, 2 to 8 percent slopes	II	I	II
Georgeville silty clay loam, 2 to 8 percent slopes, eroded	II	I	II
Georgeville silty clay loam, 2 to 8 percent slopes, moderately eroded	II	I	II
Georgeville silty clay loam, 6 to 10 percent slopes, moderately eroded	III	I	II
Georgeville silty clay loam, 8 to 15 percent slopes, moderatery croded	IV	I	II
Georgeville silty clay loam, 8 to 15 percent slopes, moderately eroded	IV	I	II
Georgeville silty clay loam, severely eroded gently sloping phase	III	I	II
Georgeville silty clay loam, severely eroded moderately steep phase	IV	I	III
Georgeville silty clay loam, severely eroded sloping phase	III	I	III
Georgeville silty clay loam, severely eroded strongly sloping phase	IV	I	III
Georgeville-Badin complex, ALL	IV	I	II
Georgeville-Montonia complex, very stony ALL	IV	I	III
George-time monitoring complex, very storily ALL	1 4	1	111

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Georgeville-Urban land complex, ALL IV II IV III III	Map Unit Name	Agri	For	Hort
Goldston, ALL			I	IV
Goldston-Badin complex, Al.I. IV II III Granville gravelly sandy loam, 2 to 8 percent slopes II II I I Granville sandy loam, 2 to 6 percent slopes II II I I I I Granville sandy loam, 2 to 6 percent slopes II II I I I I I I I		IV	II	III
Granville gravelly sandy loam, 2 to 8 percent slopes	Goldston-Badin complex, ALL	IV	II	III
Granville sandy loam, 2 to 6 percent slopes		II	II	I
Granville sandy loam, 2 to 8 percent slopes, croded Granville sandy loam, 2 to 8 percent slopes III II II II Granville sandy loam, 6 to 10 percent slopes III II II II Granville sandy loam, 6 to 10 percent slopes III II II II Granville sandy loam, 6 to 10 percent slopes IV II II II Granville sandy loam, 10 to 15 percent slopes, croded III II II II Granville sandy loam, 10 to 15 percent slopes IV II II III Granville sandy loam, 10 to 15 percent slopes IV III III Gullied land, ALL Halewood slony sandy loam, (Edneyville), ALL. IV III III Hatboro sandy loam, 0 to 2 percent slopes, frequently flooded IV III IV Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely croded (Cecil and Cecil) Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely croded (Cecil and Cecil) Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely croded (Reacolet and Pacolet) Hayesville and Cecil fine sandy loam, eroded, ALL IV II II Helena clay loam, severely croded sloping phase IV II II Helena coarse sandy loam, Solping phase IV II II Helena coarse sandy loam, ALL OTHER III III Helena sandy loam, 10 to 15 percent slopes IV II II Helena sandy loam, ALL OTHER III III Helena sandy loam, ALL OTHER III III III Helena-Worsham complex, ALL Helena-Worsham complex, ALL Helena-Worsham complex, ALL Helena-Worsham complex, 1 to 6 percent slopes III II II Helena-Worsham complex, 2 to 6 percent slopes III II II Helena-Worsham complex, 2 to 6 percent slopes III II II Helena-Worsham complex, 2 to 6 percent slopes III III II Helena-Worsham complex, 2 to 6 percent slopes III II II Helena-Worsham complex, 2 to 6 percent slopes III II II Hermdon silt loam, 2 to 6 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 percent slopes III II II Hermdon silt loam, 6 to 10 perce				I
Granville sandy loam, 2 to 8 percent slopes		II	II	I
Granville sandy loam, 6 to 10 percent slopes III		II	II	I
Granville sandy loam, 6 to 10 percent slopes, eroded		III	II	I
Granveile sandy loam, 10 to 15 percent slopes IV II III Grover, ALL Grover, ALL IV VI IV Halewood stony sandy loam, (Edneyville), ALL Halewood stony sandy loam, (Edneyville), ALL Halboro sandy loam, 0 to 2 percent slopes, frequently flooded IV III III Hatboro sandy loam, 0 to 2 percent slopes, frequently flooded IV III III Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely eroded (Pacolet and Pacolet) Hayesville and Cecil (Ine sandy loam, eroded, ALL Hayesville and Cecil (Ine sandy loam, eroded, ALL Helena coarse sandy loam, sloping phase IV III III Helena coarse sandy loam, sloping phase IV III III Helena coarse sandy loam, ALL OTHER III III Helena sandy loam, LO THER III III Helena sandy loam, LO THER III III Helena-Urban land complex, ALL Helena-Urban land land land land land land	Granville sandy loam, 6 to 10 percent slopes, eroded	III	II	I
Grover, ALL IV II III		IV	II	I
Halewood stony sandy loam, (Edneyville), ALL	Grover, ALL	IV	II	III
Hatboro sandy loam, 0 to 2 percent slopes, frequently flooded IV III IV Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely eroded (Pacolet and Pacolet) Hayesville and Cecil fine sandy loam, eroded, ALL. IV III III Helena Cecil fine sandy loam, eroded, ALL. IV III III Helena coarse sandy loam, severely eroded sloping phase IV III III Helena coarse sandy loam, ALL OTHER IIII III IIII Helena sandy loam, 2 to 8 percent slopes IIII III IIIIIIIIIIIIIIIIIIIIIIIIIII		IV	VI	IV
Hatboro sandy loam, 0 to 2 percent slopes, frequently flooded IV III IV Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely eroded (Pacolet and Pacolet) Hayesville and Cecil fine sandy loam, eroded, ALL. IV III III Helena Cecil fine sandy loam, eroded, ALL. IV III III Helena coarse sandy loam, severely eroded sloping phase IV III III Helena coarse sandy loam, ALL OTHER IIII III IIII Helena sandy loam, 2 to 8 percent slopes IIII III IIIIIIIIIIIIIIIIIIIIIIIIIII	Halewood stony sandy loam, (Edneyville), ALL	IV	III	II
Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) Hayesville and Cecil (clay loams, 7 to 14 percent slopes, severely eroded (Pacolet and Pacolet) Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely eroded (Pacolet and Pacolet) Hayesville and Cecil fine sandy loam, eroded, ALL Helena clay loam, severely eroded sloping phase Helena coarse sandy loam, sloping phase IV II Helena carse sandy loam, sloping phase IV III Helena fine sandy loam, severely eroded sloping phase IV III Helena fine sandy loam, ALL OTHER III Helena fine sandy loam, 2 to 8 percent slopes III Helena sandy loam, 10 to 15 percent slopes III Helena-Sedgefield sandy loams, ALL III Helena-Sedgefield sandy loams, ALL III Helena-Worsham complex, ALL IV Helena-Worsham complex, I to 6 percent slopes III Herndon loam, 2 to 6 percent slopes III Herndon loam, 2 to 6 percent slopes III Herndon sit loam, 2 to 6 percent slopes III Herndon sit loam, 2 to 6 percent slopes III Herndon sit loam, 2 to 6 percent slopes III Herndon sit loam, 5 to 10 percent slopes III Herndon sit loam, 6 to 10 percent slopes III Herndon sit loam		IV	III	IV
Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil) II		II	II	II
Hayesville and Cecil clay loams, 7 to 14 percent slopes, severely eroded (Cecil and Cecil)				
Hayesville and Cecil (lay loams, 14 to 25 percent slopes, severely eroded (Pacolet and Pacolet) II II		III	II	II
Pacelet and Pacelet Hayesville and Cecil fine sandy loam, eroded, ALL IV II II Helena clay loam, severely eroded sloping phase IV II II II Helena coarse sandy loam, sloping phase IV II II II Helena coarse sandy loam, sloping phase IV II II II Helena coarse sandy loam, ALL OTHER III II II II II II Helena fine sandy loam, 2 to 8 percent slopes IIV II II II II II II				
Pacelet and Pacelet Hayesville and Cecil fine sandy loam, eroded, ALL IV II II Helena clay loam, severely eroded sloping phase IV II II II Helena coarse sandy loam, sloping phase IV II II II Helena coarse sandy loam, sloping phase IV II II II Helena coarse sandy loam, ALL OTHER III II II II II II Helena fine sandy loam, 2 to 8 percent slopes IIV II II II II II II	Hayesville and Cecil clay loams, 14 to 25 percent slopes, severely eroded	IV	II	II
Helena clay loam, severely eroded sloping phase IV II II Helena coarse sandy loam, sloping phase IV III II Helena coarse sandy loam, ALL OTHER III III III Helena fine sandy loam, ALL OTHER IIII III III Helena sandy loam, 2 to 8 percent slopes IIII III III Helena sandy loam, 10 to 15 percent slopes IIV III III Helena sandy loam, ALL OTHER IIII III III Helena-Sedgefield sandy loams, ALL IIII III III Helena-Worsham complex, ALL IIV III III Helena-Urban land complex, ALL IIV III III Herna-Urban land complex, ALL IIV III III Herndon loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 8 to 15 percent slopes IIII III III Herndon silt loam, 8 to 15 percent slopes IIII III III Herndon silt loam, 9 to 15 percent slopes IIII III III Herndon silt loam, eroded gently sloping phase IIII III III Herndon silt loam, eroded strongly sloping phase IIII III III Herndon silt loam, gently sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, 8 to 15 percent slopes, eroded IIII III III Herndon silt loam, 8 to 15 percent slo				
Helena clay loam, severely eroded sloping phase IV II II Helena coarse sandy loam, sloping phase IV III II Helena coarse sandy loam, ALL OTHER III III III Helena fine sandy loam, ALL OTHER IIII III III Helena sandy loam, 2 to 8 percent slopes IIII III III Helena sandy loam, 10 to 15 percent slopes IIV III III Helena sandy loam, ALL OTHER IIII III III Helena-Sedgefield sandy loams, ALL IIII III III Helena-Worsham complex, ALL IIV III III Helena-Urban land complex, ALL IIV III III Herna-Urban land complex, ALL IIV III III Herndon loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 8 to 15 percent slopes IIII III III Herndon silt loam, 8 to 15 percent slopes IIII III III Herndon silt loam, 9 to 15 percent slopes IIII III III Herndon silt loam, eroded gently sloping phase IIII III III Herndon silt loam, eroded strongly sloping phase IIII III III Herndon silt loam, gently sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, strongly sloping phase IIII III III Herndon silt loam, 8 to 15 percent slopes, eroded IIII III III Herndon silt loam, 8 to 15 percent slo	Hayesville and Cecil fine sandy loam, eroded, ALL	IV	II	II
Helena coarse sandy loam, ALL OTHER Helena fine sandy loam, 2 to 8 percent slopes III III III III III Helena fine sandy loam, 2 to 18 percent slopes IV III III Helena sandy loam, ALL OTHER IIII III III Helena-Sedgefield sandy loams, ALL IIII III III Helena-Sedgefield sandy loams, ALL IIII III III Helena-Urban land complex, ALL Helena-Urban land complex, ALL Helena-Worsham complex, I to 6 percent slopes IV III III Herndon loam, 2 to 6 percent slopes III III III Herndon loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 8 percent slopes III III III Herndon silt loam, 2 to 8 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 8 to 15 percent slopes III III III Herndon silt loam, 10 to 15 percent slopes III III III Herndon silt loam, 10 to 15 percent slopes III III III Herndon silt loam, 10 to 15 percent slopes III III III Herndon silt loam, eroded gently sloping phase III III III Herndon silt loam, eroded sloping phase III III III Herndon silt loam, eroded sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Her		IV	II	II
Helena fine sandy loam, 2 to 8 percent slopes III III III III Helena sandy loam, 10 to 15 percent slopes IV III III Helena sandy loam, ALL OTHER IIII III III Helena-Sedgefield sandy loams, ALL IIII III Helena-Sedgefield sandy loams, ALL IIII III Helena-Urban land complex, ALL IIII III Helena-Worsham complex, 1 to 6 percent slopes IV III III Herndon loam, 2 to 6 percent slopes III III III Herndon sit loam, 6 to 10 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 2 to 6 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes III III III Herndon silt loam, 6 to 10 percent slopes IIII III III Herndon silt loam, 8 to 15 percent slopes IIII III III Herndon silt loam, 10 to 15 percent slopes IIII III III Herndon silt loam, 10 to 15 percent slopes IIII III III Herndon silt loam, eroded gently sloping phase III III III Herndon silt loam, eroded sloping phase III III III Herndon silt loam, meroded gently sloping phase III III III Herndon silt loam, sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt loam, strongly sloping phase III III III Herndon silt lo	Helena coarse sandy loam, sloping phase	IV	II	II
Helena sandy loam, 10 to 15 percent slopes Helena sandy loam, ALL OTHER Helena-Sedgefield sandy loams, ALL Helena-Urban land complex, ALL Helena-Worsham complex, ALL Helena-Worsham complex, 1 to 6 percent slopes IV Helena-Worsham complex, 1 to 6 percent slopes IV Herndon loam, 2 to 6 percent slopes Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 8 to 15 percent slopes, eroded Hill Herndon silt loam, 10 to 15 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Hill Hill Herndon silt loam, strongly sloping phase	Helena coarse sandy loam, ALL OTHER	III	II	II
Helena sandy loam, 10 to 15 percent slopes Helena sandy loam, ALL OTHER Helena-Sedgefield sandy loams, ALL Helena-Urban land complex, ALL Helena-Worsham complex, ALL Helena-Worsham complex, 1 to 6 percent slopes IV Helena-Worsham complex, 1 to 6 percent slopes IV Herndon loam, 2 to 6 percent slopes Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 8 to 15 percent slopes, eroded Hill Herndon silt loam, 10 to 15 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Hill Hill Herndon silt loam, strongly sloping phase	Helena fine sandy loam, 2 to 8 percent slopes	III	II	II
Helena sandy loam, ALL OTHER Helena-Sedgefield sandy loams, ALL Helena-Sedgefield sandy loams, ALL Helena-Urban land complex, ALL IV Helena-Worsham complex, ALL Helena-Worsham complex, I to 6 percent slopes IV HII Herndon loam, 2 to 6 percent slopes III Herndon loam, 6 to 10 percent slopes Herndon silt loam, 2 to 6 percent slopes, eroded III Herndon silt loam, 2 to 6 percent slopes, eroded III Herndon silt loam, 2 to 8 percent slopes III Herndon silt loam, 6 to 10 percent slopes III Herndon silt loam, 6 to 10 percent slopes III Herndon silt loam, 6 to 10 percent slopes III Herndon silt loam, 6 to 10 percent slopes III Herndon silt loam, 6 to 10 percent slopes III Herndon silt loam, 15 to 25 percent slopes III Herndon silt loam, 10 to 15 percent slopes III Herndon silt loam, 10 to 15 percent slopes III Herndon silt loam, 10 to 15 percent slopes III Herndon silt loam, 10 to 15 percent slopes III Herndon silt loam, eroded gently sloping phase III Herndon silt loam, eroded strongly sloping phase III Herndon silt loam, eroded strongly sloping phase III Herndon silt loam, gently sloping phase III Herndon silt loam, sloping phase		IV	II	II
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Helena-Worsham complex, 1 to 6 percent slopes IV II III Herndon loam, 2 to 6 percent slopes III II II II Herndon loam, 6 to 10 percent slopes III II II Herndon silt loam, 2 to 6 percent slopes III II II Herndon silt loam, 2 to 6 percent slopes III II II Herndon silt loam, 2 to 6 percent slopes, eroded III III Herndon silt loam, 2 to 8 percent slopes III III Herndon silt loam, 6 to 10 percent slopes III III Herndon silt loam, 6 to 10 percent slopes III III Herndon silt loam, 6 to 10 percent slopes III III II Herndon silt loam, 8 to 15 percent slopes, eroded III III II Herndon silt loam, 10 to 15 percent slopes, eroded III II II Herndon silt loam, 15 to 25 percent slopes III II II Herndon silt loam, eroded gently sloping phase III II II Herndon silt loam, eroded strongly sloping phase III III Herndon silt loam, eroded strongly sloping phase III III Herndon silt loam, gently sloping phase III III Herndon silt loam, moderately steep phase III II II Herndon silt loam, sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III III II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II He	Helena-Sedgefield sandy loams, ALL	III	II	II
Herndon loam, 2 to 6 percent slopes Herndon loam, 6 to 10 percent slopes Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 6 percent slopes, eroded Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes, eroded Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, moderately steep phase Herndon silt loam, strongly sloping phase Hill II Herndon silt loam, strongly sloping phase Hill II Herndon silt loam, strongly sloping phase Hill III Herndon silt loam, strongly sloping phase	Helena-Urban land complex, ALL	IV	II	IV
Herndon loam, 6 to 10 percent slopes Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 6 percent slopes, eroded Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Hill II Herndon silt loam, strongly sloping phase Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill II Herndon silt loam, strongly sloping phase III Hill III Herndon silt loam, strongly sloping phase III III III III III III III	Helena-Worsham complex, 1 to 6 percent slopes	IV	II	III
Herndon silt loam, 2 to 6 percent slopes Herndon silt loam, 2 to 6 percent slopes, eroded Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 2 to 8 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes, eroded Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes Herndon silt loam, 10 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Hill II Herndon silt loam, strongly sloping phase Hill III Herndon silt loam, 2 to 10 percent slopes Hill III Herndon slopy silt loam, 8 to 15 percent slopes, eroded Hill III Hill III Hill III Hiwassee clay loam, 8 to 15 percent slopes, eroded III III III III III III III III III II	Herndon loam, 2 to 6 percent slopes	II	II	I
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Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes, eroded Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, 2 to 10 percent slopes Hill II Herndon stony silt loam, 8 to 15 percent slopes, eroded Hill II Hill II Hill II Hill II Hill II Hill II Hill III		II	II	II
Herndon silt loam, 6 to 10 percent slopes Herndon silt loam, 6 to 10 percent slopes, eroded Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, 2 to 10 percent slopes Hill II Herndon stony silt loam, 8 to 15 percent slopes, eroded Hill II Hill II Hill II Hill II Hill II Hill II Hill III	Herndon silt loam, 2 to 8 percent slopes	II	II	I
Herndon silt loam, 8 to 15 percent slopes Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, at 10 lill lill lill lill Herndon stony silt loam, 2 to 10 percent slopes Hill lill lill lill Hibriten very cobbly sandy loam, ALL Hiwassee clay loam, 8 to 15 percent slopes, eroded Hill lill lill lill Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded		III	II	I
Herndon silt loam, 10 to 15 percent slopes, eroded Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, 8 to 10 percent slopes Hill Hill Herndon stony silt loam, 2 to 10 percent slopes Hill	Herndon silt loam, 6 to 10 percent slopes, eroded	III	II	II
Herndon silt loam, 15 to 25 percent slopes Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, 2 to 10 percent slopes Hill Hill Herndon story silt loam, 2 to 10 percent slopes Hill	Herndon silt loam, 8 to 15 percent slopes	III	II	I
Herndon silt loam, eroded gently sloping phase Herndon silt loam, eroded sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, at to 10 percent slopes Hill Herndon stony silt loam, 2 to 10 percent slopes Hill H	Herndon silt loam, 10 to 15 percent slopes, eroded	III	II	II
Herndon silt loam, eroded sloping phase III II II Herndon silt loam, eroded strongly sloping phase III II II Herndon silt loam, gently sloping phase III II II Herndon silt loam, moderately steep phase III II II Herndon silt loam, sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt loam, strongly sloping phase III II II Herndon silt clay loam, ALL IV II II Herndon stony silt loam, 2 to 10 percent slopes III II II Hibiten very cobbly sandy loam, ALL IV V III Hiwassee clay loam, 8 to 15 percent slopes, eroded III II II Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II	Herndon silt loam, 15 to 25 percent slopes	III	II	I
Herndon silt loam, eroded strongly sloping phase Herndon silt loam, gently sloping phase Herndon silt loam, moderately steep phase Herndon silt loam, sloping phase Herndon silt loam, sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, strongly sloping phase Herndon silt loam, 2 to 10 percent slopes Hill Herndon stony silt loam, 2 to 10 percent slopes Hill Hiwassee clay loam, 8 to 15 percent slopes, eroded Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III III III III III III III	Herndon silt loam, eroded gently sloping phase	II	II	II
Herndon silt loam, gently sloping phase II II II II Herndon silt loam, moderately steep phase III II II II Herndon silt loam, sloping phase III II II II Herndon silt loam, strongly sloping phase III II II II Herndon silty clay loam, ALL IV II III Herndon stony silt loam, 2 to 10 percent slopes III II II II Hibriten very cobbly sandy loam, ALL IV V III Hiwassee clay loam, 8 to 15 percent slopes, eroded III II II Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II	Herndon silt loam, eroded sloping phase	III	II	II
Herndon silt loam, moderately steep phase III II I	Herndon silt loam, eroded strongly sloping phase	III	II	II
Herndon silt loam, sloping phase II II II Herndon silt loam, strongly sloping phase III II II Herndon silty clay loam, ALL IV II II Herndon stony silt loam, 2 to 10 percent slopes III II II Hibriten very cobbly sandy loam, ALL IV III Hiwassee clay loam, 8 to 15 percent slopes, eroded III II II Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II		II	II	I
Herndon silt loam, strongly sloping phase Herndon silty clay loam, ALL Herndon stony silt loam, 2 to 10 percent slopes Hill Hibriten very cobbly sandy loam, ALL Hiwassee clay loam, 8 to 15 percent slopes, eroded Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded Hill H	Herndon silt loam, moderately steep phase	III	II	I
Herndon silt loam, strongly sloping phase Herndon silty clay loam, ALL Herndon stony silt loam, 2 to 10 percent slopes Hill Hibriten very cobbly sandy loam, ALL Hiwassee clay loam, 8 to 15 percent slopes, eroded Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III III III III III III III		II	II	I
Herndon silty clay loam, ALL Herndon stony silt loam, 2 to 10 percent slopes III Hibriten very cobbly sandy loam, ALL Hiwassee clay loam, 8 to 15 percent slopes, eroded Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III III III III III III III		III	II	I
Herndon stony silt loam, 2 to 10 percent slopes III Hibriten very cobbly sandy loam, ALL Hiwassee clay loam, 8 to 15 percent slopes, eroded Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III III III III III III III		IV	II	II
Hibriten very cobbly sandy loam, ALL IV V III Hiwassee clay loam, 8 to 15 percent slopes, eroded III II II Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II		III	II	II
Hiwassee clay loam, 8 to 15 percent slopes, eroded III II II Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II		IV	V	III
Hiwassee clay loam, 8 to 15 percent slopes, moderately eroded III II II		III	II	II
		III	II	II
<u> </u>	Hiwassee clay loam, 10 to 15 percent slopes, eroded	III	II	II

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Map Unit Name	Agri	For	Hort
Hiwassee clay loam, 15 to 30 percent slopes, moderately eroded	IV	II	II
Hiwassee clay loam, ALL OTHER	II	II	II
Hiwassee gravelly loam, 2 to 8 percent slopes	II	II	I
Hiwassee gravelly loam, 8 to 15 percent slopes	II	II	II
Hiwassee loam, 2 to 6 percent slopes	II	II	I
Hiwassee loam, 2 to 6 percent slopes, eroded	II	II	II
Hiwassee loam, 2 to 7 percent slopes, eroded	II	II	II
Hiwassee loam, 2 to 8 percent slopes	II	II	I
Hiwassee loam, 6 to 10 percent slopes	II	II	I
Hiwassee loam, 6 to 10 percent slopes, eroded	II	II	II
Hiwassee loam, 8 to 15 percent slopes	II	II	I
Hiwassee loam, 10 to 15 percent slopes	II	II	I
Hiwassee loam, 10 to 15 percent slopes, eroded	III	II	II
Hiwassee loam, 15 to 25 percent slopes	IV	II	II
Hornsboro, ALL	I	I	I
Hulett, ALL	IV	II	II
Hulett-Saw complex, 4 to 15 percent slopes, very rocky	IV	II	III
Hulett-Urban Land complex, 2 to 8 percent slopes	IV	II	IV
Iotla sandy loam, 0 to 2 percent slopes, occasionally flooded	II	III	III
Iredell clay loam, 2 to 6 percent slopes	III	II	III
Iredell fine sandy loam, 10 to 14 percent slopes (Wilkes)	IV	II	III
Iredell fine sandy loam, 10 to 14 percent slopes (Wilkes)	IV	II	III
Iredell fine sandy loam, ALL OTHER	III	II	III
Iredell gravelly loam, 1 to 4 percent slopes	III	II	III
Iredell loam, ALL	III	II	III
Iredell sandy loam, ALL	III	II	III
Iredell very stony loam, gently sloping phase (Enon)	IV	II	IV
Iredell-Urban land complex, ALL	IV	II	IV
Iredell-Urban land-Picture complex, 0 to 10 percent slopes	IV	II	IV
Kirksey silt loam, ALL	II	II	II
Kirksey-Cid complex, 2 to 6 percent slopes	III	II	II
Leaksville silt loam, 0 to 4 percent slopes	III	III	III
Leaksville-Urban land complex, 0 to 4 percent slopes	IV	III	IV
Leveled clayey land	IV	VI	IV
Lignum gravelly silt loam, 2 to 8 percent slopes	II	III	II
Lignum loam, 2 to 6 percent slopes	II	III	II
Lignum silt loam, 7 to 12 percent slopes	III	III	II
Lignum silt loam, ALL OTHER	II	III	II
Lloyd clay loam, 2 to 6 percent slopes, severely eroded (Gaston)	II	II	II
Lloyd clay loam, 2 to 10 percent slopes, severely eroded (Pacolet)	П	II	II
Lloyd clay loam, 6 to 10 percent slopes, severely eroded (Gaston)	II	II	II
Lloyd clay loam, 10 to 14 percent slopes, severely eroded (Pacolet)	III	II	III
Lloyd clay loam, 10 to 15 percent slopes, severely eroded (Gaston)	III	II	III
Lloyd clay loam, 14 to 25 percent slopes, severely eroded (Pacolet)	IV	II	IV
Lloyd clay loam, 15 to 25 percent slopes, severely eroded (Gaston)	IV	II	IV
Lloyd clay loam, severely eroded gently sloping phase (Gaston)	II	II	II
Lloyd clay loam, severely eroded sloping phase (Gaston)	II	II	II
Lloyd clay loam, severely eroded strongly sloping phase (Gaston)	III	II	III
Lloyd clay loam, severely eroded, moderately steep phase (Cecil)	IV	II	III
Lloyd fine sandy loam, 2 to 6 percent slopes (Cecil)	II	II	II
Lloyd fine sandy loam, 2 to 6 percent slopes, eroded (Cecil)	II	II	II
Lloyd fine sandy loam, 6 to 10 percent slopes (Cecil)	III	II	II

Lloyd fine sandy loam, 10 to 15 percent slopes, eroded (Cecil) III II II II II II II	Map Unit Name	Agri	For	Hort
Lloyd fine sandy loam, 10 to 15 percent slopes, eroded (Pacolet)				
Lloyd fine sandy loam, 10 to 15 percent slopes, croded (Pacolet)		II	II	
Lloyd fine sandy loam, 15 to 25 percent slopes (Pacolet)				
Lloyd line sandy loam, 15 to 25 percent slopes, eroded (Pacolet)			II	
Lloyd loam, 2 to 6 percent slopes, eroded (Davidson)				
Lloyd loam, 2 to 6 percent slopes, eroded (Davidson)		II		
Lloyd loam, 2 to 6 percent slopes, eroded (Gaston) II II I I Lloyd loam, 2 to 7 percent slopes (Pacolet) II II II II II II II				
Lloyd loam, 2 to 7 percent slopes (Pacolet)				
Lloyd loam, 2 to 7 percent slopes, croded (Pacolet)				
Lloyd loam, 6 to 10 percent slopes, (Cecil) III II II Lloyd loam, 6 to 10 percent slopes, eroded (Cecil) III II II II II II II		II	II	II
Lloyd loam, 6 to 10 percent slopes, eroded (Cecil) III II II Lloyd loam, 6 to 10 percent slopes, eroded (Davidson) II II II II II II II		III	II	II
Lloyd loam, 6 to 10 percent slopes, eroded (Davidson)		III	II	II
Lloyd loam, 7 to 10 percent slopes (Pacolet) III II II II Lloyd loam, 7 to 10 percent slopes, croded (Pacolet) III II II II II Lloyd loam, 10 to 14 percent slopes (Pacolet) IV II III Lloyd loam, 10 to 14 percent slopes, croded (Pacolet) IV II III Lloyd loam, 10 to 15 percent slopes, croded (Pacolet) IV II III Lloyd loam, 10 to 15 percent slopes, croded (Davidson) II III III III III Lloyd loam, 10 to 15 percent slopes, croded (Davidson) III IIII III III III III IIII III III III III III IIII III III IIII III				
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Lloyd loam, 10 to 14 percent slopes (Pacolet) IV II II II Lloyd loam, 10 to 14 percent slopes, croded (Pacolet) IV II III III Lloyd loam, 10 to 15 percent slopes (Cecil) IV II III III Lloyd loam, 10 to 15 percent slopes, croded (Davidson) II II III III III Lloyd loam, 10 to 15 percent slopes, croded (Pacolet) III IIII III III III III III III II				
Lloyd loam, 10 to 14 percent slopes, eroded (Pacolet) IV II III				
Lloyd loam, 10 to 15 percent slopes (Cecil) IV II II II Lloyd loam, 10 to 15 percent slopes, eroded (Davidson) II II III III				
Lloyd loam, 10 to 15 percent slopes, eroded (Davidson)				
Lloyd loam, 10 to 15 percent slopes, eroded (Pacolet)				
Lloyd loam, 14 to 25 percent slopes (Pacolet) Lloyd loam, 14 to 25 percent slopes, eroded (Pacolet) Lloyd loam, 15 to 25 percent slopes (Pacolet) Lloyd loam, 15 to 25 percent slopes, eroded (Pacolet) Lloyd loam, 15 to 25 percent slopes, eroded (Pacolet) Lloyd loam, 25 to 40 percent slopes, eroded (Pacolet) Lloyd loam, 25 to 40 percent slopes (Pacolet) Lloyd loam, eroded gently sloping phase (Gaston) Lloyd loam, eroded sloping phase (Gaston) Lloyd loam, eroded sloping phase (Cecil) Lloyd loam, eroded strongly sloping phase (Cecil) Lloyd loam, gently sloping phase (Gaston) II				
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Lloyd loam, 15 to 25 percent slopes (Pacolet) Lloyd loam, 15 to 25 percent slopes, eroded (Pacolet) Lloyd loam, 25 to 40 percent slopes, eroded (Pacolet) Lloyd loam, 25 to 40 percent slopes (Pacolet) Lloyd loam, eroded gently sloping phase (Gaston) Lloyd loam, eroded sloping phase (Cecil) Lloyd loam, eroded strongly sloping phase (Cecil) Lloyd loam, eroded strongly sloping phase (Cecil) Lloyd loam, gently sloping phase (Gaston) Lloyd loam, gently sloping phase (Gaston) II		IV		
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Lloyd loam, strongly sloping phase (Cecil) Local alluvial land, ALL Louisa fine sandy loam, 25 to 45 percent slopes Louisa sandy loam, 25 to 45 percent slopes IV III Louisa sandy loam, 25 to 45 percent slopes IV III Louisburg and Louisa soils, 25 to 55 percent slopes IV III Louisburg and Louisa soils, ALL OTHER IV III Louisburg coarse sandy loam, ALL Louisburg loamy coarse sand, ALL Louisburg loamy sand, 2 to 6 percent slopes III Louisburg loamy sand, 6 to 10 percent slopes III Louisburg loamy sand, 6 to 15 percent slopes IV III III Louisburg loamy sand, 10 to 15 percent slopes IV III Louisburg loamy sand, 15 to 45 percent slopes IV III Louisburg sandy loam, ALL IV III III Louisburg sandy loam, ALL IV III III Louisburg sandy loam, ALL IV III III Louisburg-Wedowee complex, 15 to 25 percent slopes IV III III III III III III II	Lloyd loam, moderately steep phase (Cecil)	II	II	II
Lloyd loam, strongly sloping phase (Cecil)IVIIIILocal alluvial land, ALLIVIIIIIILouisa fine sandy loam, 25 to 45 percent slopesIVIIIIILouisa sandy loam, 25 to 45 percent slopesIVIIIIILouisburg and Louisa soils, 25 to 55 percent slopesIVIIIILouisburg and Louisa soils, ALL OTHERIVIIIIILouisburg coarse sandy loam, ALLIVIIIILouisburg loamy coarse sand, ALLIVIIIVLouisburg loamy sand, 2 to 6 percent slopesIIIIIIILouisburg loamy sand, 6 to 10 percent slopesIIIIIIILouisburg loamy sand, 6 to 15 percent slopesIVIIIILouisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIIIIIIII	Lloyd loam, sloping phase (Cecil)	II	II	II
Local alluvial land, ALL Louisa fine sandy loam, 25 to 45 percent slopes IV III Louisa sandy loam, 25 to 45 percent slopes IV III Louisburg and Louisa soils, 25 to 55 percent slopes IV III III Louisburg and Louisa soils, ALL OTHER IV III III Louisburg coarse sandy loam, ALL Louisburg loamy coarse sand, ALL Louisburg loamy sand, 2 to 6 percent slopes III Louisburg loamy sand, 6 to 10 percent slopes III Louisburg loamy sand, 6 to 15 percent slopes IV III III Louisburg loamy sand, 10 to 15 percent slopes IV III III III Louisburg loamy sand, 15 to 45 percent slopes IV III III Louisburg sandy loam, ALL Louisburg sandy loam, ALL IV III III Louisburg sandy loam, ALL IV III III Louisburg-Wedowee complex, 15 to 25 percent slopes IV III III III III III III II		IV	II	II
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Louisburg and Louisa soils, 25 to 55 percent slopesIVIIIILouisburg and Louisa soils, ALL OTHERIVIIIIILouisburg coarse sandy loam, ALLIVIIIILouisburg loamy coarse sand, ALLIVIIIVLouisburg loamy sand, 2 to 6 percent slopesIIIIIIILouisburg loamy sand, 6 to 10 percent slopesIIIIIIILouisburg loamy sand, 6 to 15 percent slopesIVIIIILouisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII		IV	II	III
Louisburg coarse sandy loam, ALL Louisburg loamy coarse sand, ALL Louisburg loamy sand, 2 to 6 percent slopes Louisburg loamy sand, 6 to 10 percent slopes III Louisburg loamy sand, 6 to 15 percent slopes IV II Louisburg loamy sand, 10 to 15 percent slopes IV II Louisburg loamy sand, 15 to 45 percent slopes IV II Louisburg loamy sand, 15 to 45 percent slopes IV II Louisburg sandy loam, ALL Louisburg-Wedowee complex, 15 to 25 percent slopes IV II III Louisburg-Wedowee complex, ALL OTHER		IV	II	II
Louisburg loamy coarse sand, ALL Louisburg loamy sand, 2 to 6 percent slopes Louisburg loamy sand, 6 to 10 percent slopes III Louisburg loamy sand, 6 to 15 percent slopes IV II Louisburg loamy sand, 10 to 15 percent slopes IV II Louisburg loamy sand, 15 to 45 percent slopes IV II Louisburg loamy sand, 15 to 45 percent slopes IV II Louisburg sandy loam, ALL Louisburg-Wedowee complex, 15 to 25 percent slopes IV II III Louisburg-Wedowee complex, ALL OTHER III III III III III III III	Louisburg and Louisa soils, ALL OTHER	IV	II	III
Louisburg loamy sand, 2 to 6 percent slopesIIIIIIILouisburg loamy sand, 6 to 10 percent slopesIIIIIIILouisburg loamy sand, 6 to 15 percent slopesIVIIIILouisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg coarse sandy loam, ALL	IV	II	II
Louisburg loamy sand, 6 to 10 percent slopesIIIIIIILouisburg loamy sand, 6 to 15 percent slopesIVIIIILouisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg loamy coarse sand, ALL	IV	II	IV
Louisburg loamy sand, 6 to 15 percent slopesIVIIIILouisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg loamy sand, 2 to 6 percent slopes	III	II	II
Louisburg loamy sand, 10 to 15 percent slopesIVIIIILouisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg loamy sand, 6 to 10 percent slopes	III	II	II
Louisburg loamy sand, 15 to 45 percent slopesIVIIIIILouisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg loamy sand, 6 to 15 percent slopes	IV	II	II
Louisburg sandy loam, ALLIVIIIILouisburg-Wedowee complex, 15 to 25 percent slopesIVIIIILouisburg-Wedowee complex, ALL OTHERIIIIIII	Louisburg loamy sand, 10 to 15 percent slopes	IV	II	II
Louisburg-Wedowee complex, 15 to 25 percent slopes IV II II Louisburg-Wedowee complex, ALL OTHER III II II	Louisburg loamy sand, 15 to 45 percent slopes	IV	II	III
Louisburg-Wedowee complex, ALL OTHER III II II	Louisburg sandy loam, ALL	IV	II	II
	Louisburg-Wedowee complex, 15 to 25 percent slopes	IV	II	II
Made land IV VI IV	Louisburg-Wedowee complex, ALL OTHER	III	II	II
	Made land	IV	VI	IV
Madison clay loam, 2 to 6 percent slopes, eroded III II II	Madison clay loam, 2 to 6 percent slopes, eroded	III	II	II
Madison clay loam, 6 to 10 percent slopes, eroded III II II		III	II	II
Madison clay loam, eroded, ALL OTHER IV II II	Madison clay loam, eroded, ALL OTHER	IV	II	II

Map Unit Name	Agri	For	Hort
Madison complex, gullied	IV	II	IV
Madison fine sandy loam, 2 to 6 percent slopes	II	II	II
Madison fine sandy loam, 2 to 7 percent slopes	II	II	II
Madison fine sandy loam, 2 to 7 percent slopes, eroded	II	II	II
Madison fine sandy loam, 6 to 10 percent slopes	III	II	II
Madison fine sandy loam, 7 to 10 percent slopes	III	II	II
Madison fine sandy loam, 7 to 10 percent slopes, eroded	III	II	II
Madison fine sandy loam, 10 to 14 percent slopes	III	II	II
Madison fine sandy loam, 10 to 14 percent slopes, eroded	IV	II	II
Madison fine sandy loam, 10 to 15 percent slopes	III	II	II
Madison fine sandy loam, 14 to 25 percent slopes	IV	II	II
Madison fine sandy loam, 15 to 45 percent slopes	IV	II	II
Madison gravelly fine sandy loam, 2 to 6 percent slopes	II	II	II
Madison gravelly fine sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Madison gravelly fine sandy loam, 6 to 10 percent slopes	III	II	II
Madison gravelly fine sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Madison gravelly fine sandy loam, 7 to 10 percent slopes	III	II	II
Madison gravelly fine sandy loam, 10 to 14 percent slopes	III	II	II
Madison gravelly fine sandy loam, 10 to 15 percent slopes	III	II	II
Madison gravelly fine sandy loam, ALL OTHER	IV	II	II
Madison gravelly sandy clay loam, 2 to 8 percent slopes, moderately eroded	III	II	II
Madison gravelly sandy clay loam, 8 to 15 percent slopes, moderately eroded	IV	II	II
Madison gravelly sandy loam, 10 to 25 percent slopes, eroded	IV	II	II
Madison gravelly sandy loam, ALL OTHER	III	II	II
Madison sandy clay loam, 2 to 8 percent slopes, eroded	III	II	II
Madison sandy clay loam, 8 to 15 percent slopes, eroded	IV	II	II
Madison sandy clay loam, 15 to 25 percent slopes, eroded	IV	II	II
Madison sandy loam, 2 to 6 percent slopes	II	II	II
Madison sandy loam, 2 to 6 percent slopes, eroded	II	II	II
Madison sandy loam, 6 to 10 percent slopes	II	II	II
Madison sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Madison sandy loam, 8 to 15 percent slopes	III	II	II
Madison sandy loam, 10 to 15 percent slopes	III	II	II
Madison sandy loam, ALL OTHER	IV	II	II
Madison-Bethlehem complex, 2 to 8 percent slopes, stony, moderately eroded	III	II	II
Madison-Bethlehem complex, 8 to 15 percent slopes, very stony, moderately	IV	II	III
eroded			
Madison-Bethlehem-Urban Land complex, 2 to 8 percent slopes	IV	II	IV
Madison-Udorthents complex, 2 to 15 percent slopes, gullied	IV	II	IV
Madison-Urban land complex, 2 to 10 percent slopes	IV	II	IV
Mantachie soils	III	III	II
Masada fine sandy loam, ALL	I	II	I
Masada gravelly sandy clay loam, eroded, ALL	II	II	I
Masada loam, 2 to 8 percent slopes	I	II	I
Masada loam, 8 to 15 percent slopes	II	II	I
Masada sandy clay loam, eroded ALL	II	II	I
Masada sandy loam, 2 to 8 percent slopes	I	II	I
Masada sandy loam, 8 to 15 percent slopes	II	II	I
Masada sandy loam, 15 to 25 percent slopes	IV	II	II
Masada-Urban land complex, 2 to 15 percent slopes	IV	II	IV
Mayodan fine sandy loam, 2 to 6 percent slopes	II	I	I
Mayodan fine sandy loam, 2 to 6 percent slopes, eroded	II	Ī	I
Mayodan fine sandy loam, 2 to 7 percent slopes	II	I	I

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Map Unit Name	Agri	For	Hort
Mayodan fine sandy loam, 2 to 8 percent slopes	II	I	I
Mayodan fine sandy loam, 6 to 10 percent slopes	III	I	I
Mayodan fine sandy loam, 7 to 10 percent slopes	III	I	I
Mayodan fine sandy loam, 7 to 10 percent slopes, eroded	III	I	I
Mayodan fine sandy loam, 8 to 15 percent slopes	III	I	I
Mayodan fine sandy loam, 10 to 14 percent slopes	III	I	I
Mayodan fine sandy loam, 10 to 14 percent slopes, eroded	III	I	II
Mayodan fine sandy loam, ALL OTHER	IV	I	II
Mayodan gravelly sandy loam, 2 to 6 percent slopes	II	I	I
Mayodan gravelly sandy loam, 2 to 6 percent slopes, eroded	II	I	I
Mayodan gravelly sandy loam, 2 to 8 percent slopes	II	I	I
Mayodan gravelly sandy loam, 6 to 10 percent slopes	III	I	I
Mayodan gravelly sandy loam, 6 to 10 percent slopes, eroded	IV	I	I
Mayodan gravelly sandy loam, 8 to 15 percent slopes	III	I	II
Mayodan gravelly sandy loam, 10 to 15 percent slopes	III	I	II
Mayodan gravelly sandy loam, 15 to 25 percent slopes	IV	I	II
Mayodan sandy clay loam, 2 to 8 percent slopes, eroded	II	I	II
Mayodan sandy clay loam, 8 to 15 percent slopes, eroded	III	I	II
Mayodan sandy clay loam, 15 to 25 percent slopes, eroded	IV	I	II
Mayodan sandy loam, 2 to 6 percent slopes	II	I	I
Mayodan sandy loam, 2 to 6 percent slopes, eroded	II	I	I
Mayodan sandy loam, 2 to 8 percent slopes	II	I	I
Mayodan sandy loam, 6 to 10 percent slopes	III	I	I
Mayodan sandy loam, 6 to 10 percent slopes, eroded	III	I	I
Mayodan sandy loam, 8 to 15 percent slopes	III	I	II
Mayodan sandy loam, 10 to 15 percent slopes	III	I	II
Mayodan sandy loam, 10 to 15 percent slopes, eroded	IV	I	II
Mayodan sandy loam, 15 to 25 percent slopes	IV	I	II
Mayodan sandy loam, 15 to 25 percent slopes, stony	IV	I	IV
Mayodan silt loam, 2 to 8 percent slopes	II	I	I
Mayodan silt loam, 8 to 15 percent slopes	III	I	II
Mayodan silt loam, 15 to 25 percent slopes	IV	I	II
Mayodan silt loam, 25 to 45 percent slopes	IV	I	III
Mayodan silt loam, thin, ALL	III	I	II
Mayodan silty clay loam, 2 to 8 percent slopes, eroded	III	I	II
Mayodan silty clay loam, 8 to 15 percent slopes, eroded	IV	I	II
Mayodan-Brickhaven complex, 15 to 30 percent slopes	IV	I	III
Mayodan-Exway complex, eroded, ALL	III	I	II
Mayodan-Pinkston complex, 25 to 45 percent slopes	IV	I	III
Mayodan-Urban land complex, ALL	IV	I	IV
McQueen loam, 1 to 6 percent slopes	II	II	II
Mecklenburg clay loam, 2 to 8 percent slopes, eroded	II	II	II
Mecklenburg clay loam, 2 to 8 percent slopes, moderately eroded	II	II	II
Mecklenburg clay loam, 6 to 15 percent slopes, severely eroded	IV	II	II
Mecklenburg clay loam, 8 to 15 percent slopes, eroded	III	II	II
Mecklenburg clay loam, 8 to 15 percent slopes, moderately eroded	III	II	II
Mecklenburg clay loam, severely eroded sloping phase	IV	II	II
Mecklenburg fine sandy loam, 2 to 6 percent slopes	II	II	I
Mecklenburg fine sandy loam, 2 to 8 percent slopes	II	II	II
Mecklenburg fine sandy loam, 8 to 15 percent slopes	III	II	II
Mecklenburg loam, 2 to 6 percent slopes	II	II	I
Mecklenburg loam, 2 to 6 percent slopes, eroded	II	II	II

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Map Unit Name	Agri	For	Hort
Mecklenburg loam, 2 to 7 percent slopes, eroded	II	II	II
Mecklenburg loam, 2 to 8 percent slopes	II	II	I
Mecklenburg loam, 6 to 10 percent slopes	II	II	II
Mecklenburg loam, 6 to 10 percent slopes, eroded	II	II	II
Mecklenburg loam, 7 to 14 percent slopes, eroded	III	II	II
Mecklenburg loam, 8 to 15 percent slopes	III	II	II
Mecklenburg loam, 10 to 15 percent slopes, eroded	III	II	II
Mecklenburg loam, ALL OTHER	IV	II	II
Mecklenburg loam, dark surface variant, 2 to 6 percent slopes	II	II	I
Mecklenburg loam, dark surface variant, 6 to 10 percent slopes	II	II	II
Mecklenburg loam, dark surface variant, 10 to 15 percent slopes	III	II	II
Mecklenburg loam, eroded gently sloping phase	II	II	II
Mecklenburg loam, eroded sloping phase	II	II	II
Mecklenburg loam, eroded strongly sloping phase	III	II	II
Mecklenburg sandy clay loam, eroded, ALL	III	II	II
Mecklenburg-Urban land complex, ALL	IV	II	IV
Miscellaneous water	IV	VI	IV
Misenheimer channery silt loam, 0 to 4 percent slopes	IV	V	III
Misenheimer-Callison complex, 0 to 3 percent slopes	IV	V	III
Misenheimer-Cid complex, 0 to 3 percent slopes	IV	V	III
Misenheimer-Kirksey complex, 0 to 5 percent slopes	IV	V	III
Mixed alluvial land, ALL	IV	III	III
Mocksville sandy loam, 2 to 8 percent slopes	II	II	II
Mocksville sandy loam, 8 to 15 percent slopes	III	II	II
Mocksville sandy loam, 15 to 45 percent slopes	IV	II	III
Moderately gullied land, ALL	IV	VI	IV
Monacan and Arents soils	I	III	IV
Monacan loam	I	III	III
Montonia very channery silt loam, 25 to 60 percent slopes, very stony	IV	V	IV
Mooshaunee-Hallison complex, 2 to 8 percent slopes	III	II	II
Mooshaunee-Hallison complex, 8 to 15 percent slopes	IV	II	III
Mooshaunee-Hallison complex, 8 to 15 percent slopes Mooshaunee-Hallison complex, 15 to 25 percent slopes	IV	II	IV
Mooshaunee-Hallison complex, ALL OTHER	IV	II	IV
Nanford gravelly fine sandy loam, 8 to 15 percent slopes	III	II	II
Nanford silt loam, 2 to 6 percent slopes	II	II	I
Nanford silt loam, 2 to 8 percent slopes Nanford silt loam, 2 to 8 percent slopes	II	II	I
	III	II	II
Nanford silt loam, 8 to 15 percent slopes	III	II	II
Nanford silty clay loam, 2 to 6 percent slopes, moderately eroded Nanford-Badin complex, 6 to 10 percent slopes	III	II	II
	IV	II	
Nanford-Badin complex, 10 to 15 percent slopes	II	II	II
Nanford-Emporia complex, 2 to 8 percent slopes			I
Nason gravelly loam, 2 to 6 percent slopes	III	II	
Nason gravelly loam, 6 to 10 percent slopes	III	II	II
Nason gravelly loam, 10 to 25 percent slopes	IV	II	II
Nason gravelly loam, 25 to 50 percent slopes	IV	II	III
Nason gravelly silt loam, 2 to 8 percent slopes	II	II	I
Nason gravelly silt loam, 8 to 15 percent slopes	III	II	II
Nason loam, 2 to 6 percent slopes	II	II	I
Nason loam, 6 to 10 percent slopes	III	II	I
Nason silt loam, 2 to 6 percent slopes	II	II	I
Nason silt loam, 2 to 8 percent slopes	II	II	I
Nason silt loam, 6 to 12 percent slopes	III	II	I

Map Unit Name	Agri	For	Hort
Nason silt loam, 8 to 15 percent slopes	III	II	I
Nason silt loam, 10 to 15 percent slopes	III	II	I
Nason silt loam, 15 to 25 percent slopes	IV	II	II
Nason stony silt loam, 10 to 15 percent slopes (Uwharrie)	IV	II	IV
Oakboro silt loam, ALL	III	III	III
Orange gravelly loam, 2 to 7 percent slopes	II	II	II
Orange loam, 0 to 2 percent slopes	II	II	II
Orange silt loam, 0 to 3 percent slopes	II	II	II
Orange silt loam, eroded gently sloping moderately well drained variant	III	II	II
Orange silt loam, eroded gently sloping phase	III	II	II
Orange silt loam, eroded sloping moderately well drained variant	III	II	II
Orange silt loam, gently sloping moderately well drained variant	III	II	II
Orange silt loam, gently sloping phase	II	II	II
Orange silt loam, nearly level phase	II	II	II
Orange silt loam, sloping moderately well drained variant	III	II	II
Pacolet clay loam, 2 to 6 percent slopes, eroded	II	II	II
Pacolet clay loam, 2 to 8 percent slopes, moderately eroded	II	II	II
Pacolet clay loam, 6 to 10 percent slopes, eroded	III	II	II
Pacolet clay loam, 6 to 10 percent slopes, severely eroded	III	II	II
Pacolet clay loam, 8 to 15 percent slopes, moderately eroded	III	II	II
Pacolet clay loam, 10 to 15 percent slopes, eroded	III	II	II
Pacolet clay loam, 15 to 45 percent slopes, eroded	IV	II	II
Pacolet complex, 10 to 25 percent slopes, severely eroded	IV	II	III
Pacolet fine sandy loam, 2 to 6 percent slopes	II	II	I
Pacolet fine sandy loam, 6 to 10 percent slopes	III	II	I
Pacolet fine sandy loam, 8 to 15 percent slopes	III	II	II
Pacolet fine sandy loam, 10 to 15 percent slopes	III	II	II
Pacolet fine sandy loam, ALL OTHER	IV	II	II
Pacolet gravelly fine sandy loam, 2 to 6 percent slopes	II	II	I
Pacolet gravelly fine sandy loam, 6 to 10 percent slopes	III	II	II
Pacolet gravelly fine sandy loam, 8 to 15 percent slopes	III	II	II
Pacolet gravelly fine sandy loam, 15 to 25 percent slopes	IV	II	II
Pacolet gravelly sandy clay loam, 15 to 30 percent slopes, eroded	IV	II	II
Pacolet gravelly sandy loam, 2 to 8 percent slopes	II	II	I
Pacolet gravelly sandy loam, 8 to 15 percent slopes	III	II	II
Pacolet gravelly sandy loam, ALL OTHER	IV	II	II
Pacolet loam, 10 to 15 percent slopes	III	II	II
Pacolet loam, 15 to 25 percent slopes	IV	II	II
Pacolet sandy clay loam, 2 to 6 percent slopes, eroded	II	II	II
Pacolet sandy clay loam, 2 to 6 percent slopes, moderately eroded	II	II	II
Pacolet sandy clay loam, 2 to 8 percent slopes, eroded	II	II	II
Pacolet sandy clay loam, 6 to 10 percent slopes, moderately eroded	III	II	II
Pacolet sandy clay loam, 8 to 15 percent slopes, eroded	III	II	II
Pacolet sandy clay loam, 8 to 15 percent slopes, moderately eroded	III	II	II
Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	III	II	II
Pacolet sandy clay loam, ALL OTHER	IV	II	II
Pacolet sandy loam, 2 to 6 percent slopes	II	II	I
Pacolet sandy loam, 2 to 8 percent slopes	II	II	I
Pacolet sandy loam, 6 to 10 percent slopes	III	II	II
Pacolet sandy loam, 8 to 15 percent slopes	III	II	II
Pacolet sandy loam, 10 to 15 percent slopes	III	II	II
Pacolet sandy loam, ALL OTHER	IV	II	II

Map Unit Name	Agri	For	Hort
Pacolet soils, 10 to 25 percent slopes	IV	II	III
Pacolet-Bethlehem complex, 2 to 8 percent slopes, eroded	III	II	II
Pacolet-Bethlehem complex, 2 to 8 percent slopes, moderately eroded	III	II	II
Pacolet-Bethlehem complex, ALL OTHER	IV	II	II
Pacolet-Bethlehem complex, 15 to 25 percent slopes, stony	IV	II	III
Pacolet-Bethlehem-Urban Land complex, ALL	IV	II	IV
Pacolet-Madison-Urban land complex, ALL	IV	II	IV
Pacolet-Saw complex, 2 to 8 percent slopes, eroded	III	II	II
Pacolet-Saw complex, 2 to 8 percent slopes, moderately eroded	III	II	II
Pacolet-Saw complex, ALL OTHER	IV	II	II
Pacolet-Udorthents complex, gullied, ALL	IV	II	IV
Pacolet-Urban land complex, ALL	IV	II	IV
Pacolet-Wilkes complex, 8 to 15 percent slopes	III	II	II
Pacolet-Wilkes complex, 15 to 25 percent slopes	IV	II	II
Picture loam, 0 to 3 percent slopes	IV	II	III
Pinkston, ALL	IV	II	III
Pinoka, ALL	IV	II	III
Pinoka-Carbonton complex, 2 to 8 percent slopes	IV	II	III
Pits, ALL	IV	VI	IV
Poindexter and Zion sandy loams, 2 to 8 percent slopes	III	II	II
Poindexter and Zion sandy loams, 8 to 15 percent slopes	IV	II	II
Poindexter and Zion sandy loams, ALL OTHER	IV	II	III
Poindexter fine sandy loam, 25 to 60 percent slopes	IV	II	III
Poindexter loam, 2 to 8 percent slopes	III	II	II
Poindexter loam, 8 to 15 percent slopes	IV	II	II
Poindexter loam, 15 to 45 percent slopes	IV	II	III
Poindexter-Mocksville complex, 2 to 8 percent slopes	IV	II	II
Poindexter-Mocksville complex, 8 to 15 percent slopes	IV	II	II
Poindexter-Mocksville complex, ALL OTHER	IV	II	III
Poindexter-Zion-Urban land complex, 2 to 15 percent slopes	IV	II	IV
Polkton-White Store complex, 2 to 8 percent slopes, severely eroded	III	II	III
Polkton-White Store complex, ALL OTHER	IV	II	III
Quarry, ALL	IV	VI	IV
Rhodhiss, ALL	IV	II	II
Rhodhiss-Bannertown complex, 25 to 50 percent slopes	IV	II	III
Rion fine sandy loam, 2 to 8 percent slopes	III	II	II
Rion fine sandy loam, 8 to 15 percent slopes	IV	II	II
Rion fine sandy loam, 15 to 25 percent slopes	IV	II	II
Rion fine sandy loam, 25 to 60 percent slopes	IV	II	III
Rion loamy sand, 8 to 15 percent slopes	IV	II	II
Rion loamy sand, 15 to 25 percent slopes	IV	II	III
Rion sandy loam, 2 to 8 percent slopes	III	II	II
Rion sandy loam, 8 to 15 percent slopes	III	II	II
Rion sandy loam, 15 to 25 percent slopes	IV	II	II
Rion sandy loam, 15 to 30 percent slopes	IV	II	II
Rion sandy loam, ALL OTHER	IV	II	III
Rion, Pacolet, and Wateree soils, 25 to 60 percent slopes	IV	II	IV
Rion-Ashlar complex, 15 to 35 percent slopes, stony	IV	II	III
Rion-Ashlar complex, 25 to 60 percent slopes, rocky	IV	II	IV
Rion-Ashlar-Rock outcrop complex, 45 to 70 percent slopes	IV	II	IV
Rion-Cliffside complex, 25 to 60 percent slopes, very stony	IV	II	IV
Rion-Hibriten complex, 25 to 45 percent slopes, very stony	IV	II	IV

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Map Unit Name	Agri	For	Hort
Rion-Urban land complex, 2 to 10 percent slopes	IV	II	IV
Rion-Wateree-Wedowee complex, 8 to 15 percent slopes	IV	II	III
Rion-Wedowee complex, ALL	III	II	II
Rion-Wedowee-Ashlar complex, ALL	IV	II	III
Riverview and Buncombe soils, 0 to 3 percent slopes, frequently flooded	II	III	III
Riverview and Toccoa soils, 0 to 4 percent slopes, occasionally flooded	II	III	III
Riverview, frequently flooded, ALL	II	III	III
Riverview, occasionally flooded, ALL	I	III	III
Roanoke, ALL	II	III	III
Roanoke-Wahee complex, 0 to 3 percent slopes, occasionally flooded	II	III	III
Rock outcrop	IV	VI	IV
Rock outcrop-Ashlar complex, 2 to 15 percent slopes	IV	VI	IV
Rock outcrop-Wake complex, ALL	IV	VI	IV
Sauratown channery fine sandy loam, 25 to 60 percent slopes, very stony	IV	IV	IV
Saw-Pacolet complex, ALL	IV	II	II
Saw-Wake Complex, VEE	IV	II	IV
Secrest-Cid complex, 0 to 3 percent slopes	III	II	II
Sedgefield fine sandy loam, 1 to 4 percent slopes	II	II	II
Sedgefield fine sandy loam, 1 to 4 percent slopes	III	II	II
Sedgefield sandy loam, 1 to 6 percent slopes	III	II	II
Sedgefield sandy loam, 2 to 8 percent slopes	III	II	II
Severely gullied land, ALL	IV	VI	IV
Shellbluff loam, 0 to 2 percent slopes, occasionally flooded	II	III	III
Shellbluff silt loam, 0 to 2 percent slopes, occasionary flooded	IV	III	III
Skyuka clay loam, 2 to 8 percent slopes, eroded	II	I	II
Skyuka loam, 2 to 8 percent slopes, eroded Skyuka loam, 2 to 8 percent slopes	I	I	II
Spray loam, 0 to 5 percent slopes	IV	II	III
Spray-Urban land complex, 0 to 5 percent slopes	IV	II	IV
Starr loam, ALL	II	I	III
State, ALL	I	I	I
Stoneville loam, 2 to 8 percent slopes	II	II	I
Stoneville loam, 8 to 15 percent slopes	III	II	I
Stoneville loam, 15 to 25 percent slopes	IV	II	II
Stoneville-Urban land complex, 2 to 10 percent slopes	IV	II	IV
Stony land	IV	VI	IV
Swamp	IV	III	IV
Tallapoosa fine sandy loam, ALL	IV	II	III
Tarrus gravelly silt loam, 2 to 8 percent slopes	II	II	I
Tarrus-Georgeville complex, 8 to 15 percent slopes	II	II	I
Tatum and Nason channery silt loams, 15 to 25 percent slopes	IV	II	II
Tatum channery silt loam, ALL	III	II	I
Tatum channery silty clay loam, ALL	III	II	II
Tatum gravelly loam, 2 to 8 percent slopes	II	II	I
Tatum gravelly loam, 8 to 15 percent slopes	III	II	I
Tatum gravelly loam, ALL OTHER	IV	II	II
Tatum gravelly silt loam, 2 to 8 percent slopes	II	II	I
Tatum gravelly silt loam, 8 to 15 percent slopes	III	II	I
Tatum gravelly silt loam, ALL OTHER	IV	II	II
Tatum gravelly silty clay loam, eroded, ALL	III	II	II
Tatum loam, 2 to 6 percent slopes	II	II	I
Tatum loam, 10 to 15 percent slopes	III	II	II
Tatum loam, ALL OTHER	IV	II	II
Twum roun, ADD OTHER	1 4	11	11

Map Unit Name	Agri	For	Hort
Tatum silt loam, 2 to 8 percent slopes	II	II	I
Tatum silt loam, 8 to 15 percent slopes	III	II	I
Tatum silt loam, ALL OTHER	IV	II	II
Tatum silty clay loam, eroded, ALL	III	II	II
Tatum-Badin complex, 2 to 8 percent slopes	III	II	I
Tatum-Badin complex, 2 to 8 percent slopes, eroded	III	II	II
Tatum-Badin complex, 8 to 15 percent slopes	III	II	II
Tatum-Montonia complex, 15 to 30 percent slopes	IV	II	II
Tatum-Montonia complex, ALL OTHER	III	II	II
Tatum-Urban land complex, 2 to 8 percent slopes	IV	II	IV
Tetotum fine sandy loam, 1 to 4 percent slopes	I	I	I
Tetotum silt loam, 0 to 3 percent slopes	I	I	I
Tirzah silt loam, eroded gently sloping phase (Tatum)	III	II	I
Tirzah silt loam, eroded sloping phase (Tatum)	II	II	I
Tirzah silt loam, eroded strongly sloping phase (Tatum)	III	II	II
Tirzah silt loam, gently sloping phase (Stoneville)	II	II	II
Tirzah silt loam, sloping phase (Stoneville)	III	II	II
Tirzah silt loam, strongly sloping phase (Stoneville)	III	II	II
Tirzah silty clay loam, severely eroded gently sloping phase (Tatum)	III	II	II
Tirzah silty clay loam, severely eroded sloping phase (Tatum)	III	II	II
Tirzah silty clay loam, severely eroded strongly sloping phase (Tatum)	IV	II	II
Toast sandy loam, 2 to 8 percent slopes	II	I	I
Toast sandy loam, 8 to 15 percent slopes	III	I	II
Toccoa, ALL	I	III	III
Turbeville fine sandy loam, 0 to 3 percent slopes	I	II	I
Udorthents, ALL	IV	VI	IV
Udorthents-Pits complex, mounded, 0 to 2 percent slopes, occasionally	IV	VI	IV
flooded			
Udorthents-Urban land complex, ALL	IV	VI	IV
Urban land, ALL	IV	VI	IV
Urban land-Arents complex, occasionally flooded	IV	III	IV
Urban land-Iredell-Creedmoor complex, 2 to 10 percent slopes	IV	II	IV
Urban land-Masada complex, 2 to 15 percent slopes	IV	II	IV
Uwharrie clay loam, 2 to 8 percent slopes, eroded	III	II	III
Uwharrie clay loam, 8 to 15 percent slopes, eroded	IV	II	III
Uwharrie loam, 15 to 25 percent slopes	IV	II	III
Uwharrie loam, very stony, ALL	IV	II	III
Uwharrie silt loam, 2 to 8 percent slopes	II	II	I
Uwharrie silty clay loam, 2 to 8 percent slopes, eroded	III	II	II
Uwharrie silty clay loam, 2 to 8 percent slopes, moderately eroded	III	II	II
Uwharrie silty clay loam, 8 to 15 percent slopes, eroded	IV	II	II
Uwharrie stony loam, ALL	IV	II	III
Uwharrie stony loam, very bouldery, ALL	IV	II	IV
Uwharrie-Badin complex, ALL	IV	II	III
Uwharrie-Tatum complex, 8 to 15 percent slopes	III	II	III
Uwharrie-Tatum complex, 8 to 15 percent slopes, moderately eroded	IV	II	III
Uwharrie-Urban Land, 2 to 8 percent slopes	IV	II	IV
Vance clay loam, severely eroded sloping phase	IV	II	II
Vance coarse sandy loam, 2 to 8 percent slopes	II	II	II
Vance coarse sandy loam, eroded gently sloping phase	III	II	II
Vance coarse sandy loam, eroded sloping phase	III	II	II
Vance coarse sandy loam, gently sloping phase	II	II	II

Map Unit Name	Agri	For	Hort
Vance sandy clay loam, ALL	III	II	II
Vance sandy loam, 2 to 6 percent slopes	II	II	II
Vance sandy loam, 2 to 6 percent slopes, eroded	III	II	II
Vance sandy loam, 2 to 8 percent slopes	II	II	II
Vance sandy loam, 6 to 10 percent slopes	III	II	II
Vance sandy loam, 6 to 10 percent slopes, eroded	III	II	II
Vance sandy loam, 8 to 15 percent slopes	III	II	II
Vance sandy loam, 10 to 15 percent slopes	III	II	II
Vance sandy loam, eroded gently sloping phase	III	II	II
Vance sandy loam, eroded moderately sloping phase	III	II	II
Vance sandy loam, eroded strongly sloping phase	IV	II	II
Vance sandy loam, gently sloping phase	II	II	II
Vance-Urban land complex, 2 to 10 percent slopes	IV	II	IV
Wadesboro clay loam, 2 to 8 percent slopes, moderately eroded	II	I	II
Wadesboro clay loam, 8 to 15 percent slopes, moderately eroded	III	I	II
Wadesboro fine sandy loam, 2 to 7 percent slopes (Mayodan)	II	I	II
Wadesboro fine sandy loam, 2 to 7 percent slopes, eroded (Mayodan)	II	I	II
Wadesboro fine sandy loam, 7 to 10 percent slopes (Mayodan)	III	I	II
Wadesboro fine sandy loam, 7 to 10 percent slopes, eroded (Mayodan)	III	I	II
Wadesboro fine sandy loam, 10 to 14 percent slopes (Mayodan)	III	I	II
Wadesboro fine sandy loam, 10 to 14 percent slopes, eroded (Mayodan)	IV	I	II
Wadesboro fine sandy loam, 14 to 30 percent slopes (Mayodan)	IV	I	II
Wahee, ALL	II	III	I
Wake soils, ALL	IV	II	III
Wake-Saw-Wedowee complex, 2 to 8 percent slopes, rocky	IV	II	III
Wake-Wateree complex, 15 to 30 percent slopes, very rocky	IV	II	III
Wake-Wateree-Wedowee complex, 8 to 15 percent slopes, rocky	IV	II	III
Warne and Roanoke fine sandy loams (Dogue)	IV	III	II
Wateree fine sandy loam, ALL	IV	II	II
Wateree-Rion complex, 40 to 95 percent slopes	IV	II	III
Wateree-Rion-Wedowee complex, 15 to 30 percent slopes	IV	II	III
Wedowee coarse sandy loam, 2 to 6 percent slopes	II	I	I
Wedowee coarse sandy loam, 6 to 10 percent slopes	III	I	II
Wedowee loam, 2 to 8 percent slopes	II	I	I
Wedowee loam, 8 to 15 percent slopes	III	I	II
Wedowee loam, 15 to 25 percent slopes	IV	I	II
Wedowee sandy clay loam, 8 to 15 percent slopes, eroded	IV	I	II
Wedowee sandy loam, 2 to 10 percent slopes, extremely bouldery	IV	I	IV
Wedowee sandy loam, 2 to 15 percent slopes, bouldery	IV	I	III
Wedowee sandy loam, 2 to 6 percent slopes	II	I	I
Wedowee sandy loam, 2 to 6 percent slopes, eroded	II	I	II
Wedowee sandy loam, 2 to 8 percent slopes	II	I	I
Wedowee sandy loam, 6 to 10 percent slopes	III	I	II
Wedowee sandy loam, 6 to 10 percent slopes, eroded	III	I	II
Wedowee sandy loam, 6 to 15 percent slopes	III	I	II
Wedowee sandy loam, 8 to 15 percent slopes	III	I	II
Wedowee sandy loam, 10 to 15 percent slopes	III	I	II
Wedowee sandy loam, 10 to 15 percent slopes, eroded	III	I	II
Wedowee sandy loam, 10 to 25 percent slopes	III	I	II
Wedowee sandy loam, 15 to 25 percent slopes	IV	I	II
Wedowee sandy loam, 15 to 35 percent slopes, bouldery	IV	I	III
Wedowee sandy loam, 15 to 40 percent slopes	IV	I	II

Map Unit Name	Agri	For	Hort
Wedowee-Louisburg complex, 2 to 6 percent slopes	II	I	II
Wedowee-Louisburg complex, ALL OTHER	III	I	III
Wedowee-Urban land-Udorthents complex, 2 to 10 percent slopes	IV	I	IV
Wehadkee and Bibb soils	IV	III	III
Wehadkee, ALL	IV	III	III
White Store clay loam, ALL	IV	II	III
White Store fine sandy loam, moderately eroded, ALL	IV	II	III
White Store loam, 8 to 15 percent slopes	IV	II	III
White Store loam, ALL OTHER	III	II	III
White Store sandy loam, 2 to 6 percent slopes	III	II	III
White Store sandy loam, ALL OTHER	IV	II	III
White Store silt loam, 8 to 15 percent slopes	IV	II	III
White Store silt loam, ALL OTHER	III	II	III
White Store-Polkton complex, ALL	IV	II	III
White Store-Urban land complex, ALL	IV	II	IV
Wickham fine sandy loam, 0 to 3 percent slopes, rarely flooded	I	I	I
Wickham fine sandy loam, 2 to 6 percent slopes	I	I	I
Wickham fine sandy loam, 2 to 6 percent slopes, eroded	II	I	I
Wickham fine sandy loam, 2 to 7 percent slopes, eroded	II	I	I
Wickham fine sandy loam, 2 to 8 percent slopes	II	I	I
Wickham fine sandy loam, 6 to 10 percent slopes	II	I	I
Wickham fine sandy loam, 6 to 10 percent slopes, eroded	III	I	II
Wickham fine sandy loam, 7 to 14 percent slopes, eroded	III	I	II
Wickham fine sandy loam, 10 to 15 percent slopes	III	I	II
Wickham sandy loam, ALL	I	I	I
Wilkes, ALL	IV	II	III
Wilkes-Poindexter-Wynott complex, ALL	IV	II	III
Wilkes-Urban land complex, 8 to 15 percent slopes	IV	II	IV
Winnsboro fine sandy loam, 2 to 8 percent slopes	II	II	I
Winnsboro loam, 2 to 8 percent slopes	III	II	I
Winnsboro loam, 8 to 15 percent slopes	IV	II	II
Winnsboro-Wilkes complex, 2 to 8 percent slopes	III	II	II
Winnsboro-Wilkes complex, ALL OTHER	IV	II	III
Woolwine-Fairview complex, 2 to 8 percent slopes, moderately eroded	III	II	II
Woolwine-Fairview complex, moderately eroded, ALL OTHER	IV	II	II
Woolwine-Fairview-Urban land complex, ALL	IV	II	IV
Worsham, ALL	IV	III	III
Wynott cobbly loam, 2 to 10 percent slopes, extremely stony	IV	II	IV
Wynott loam, 2 to 8 percent slopes	III	II	II
Wynott-Enon complex, 2 to 8 percent slopes	II	II	II
Wynott-Enon complex, 2 to 8 percent slopes, moderately eroded	II	II	II
Wynott-Enon complex, 8 to 15 percent slopes	II	II	II
Wynott-Enon complex, 8 to 15 percent slopes, moderately eroded	III	II	II
Wynott-Enon complex, 15 to 25 percent slopes	IV	II	II
Wynott-Enon complex, extremely bouldery, ALL	IV	II	IV
Wynott-Wilkes-Poindexter complex, 2 to 8 percent slopes	IV	II	II
Wynott-Winnsboro complex, 2 to 8 percent slopes	II	II	II
Wynott-Winnsboro complex, 8 to 15 percent slopes	II	II	II
Wynott-Winnsboro complex, 15 to 25 percent slopes	IV	II	II
Zion gravelly loam, 2 to 8 percent slopes	III	II	II
Zion gravelly loam, 8 to 15 percent slopes	IV	II	II
Zion-Enon complex, 2 to 8 percent slopes	III	II	III

Map Unit Name	Agri	For	Hort
Zion-Enon complex, 8 to 15 percent slopes	IV	II	II
Zion-Mocksville complex, 25 to 45 percent slopes	IV	II	III
Zion-Wilkes complex, 8 to 15 percent slopes	IV	II	II
Zion-Winnsboro-Mocksville complex, ALL	IV	II	II

MLRA137-S and hills

Map Unit Name	Agri	For	Hort
Ailey gravelly loamy sand, 8 to 15 percent slopes	III	V	III
Ailey gravelly loamy sand, 15 to 25 percent slopes	IV	V	IV
Ailey loamy sand, ALL	III	V	III
Ailey sand, moderately wet, 0 to 6 percent slopes	II	V	II
Ailey-Urban land complex, ALL	IV	V	IV
Bibb loam, 0 to 2 percent slopes, frequently flooded	IV	III	IV
Blaney loamy sand, 2 to 8 percent slopes	II	II	II
Blaney loamy sand, 8 to 15 percent slopes	III	II	III
Blaney-Urban land complex, ALL	IV	II	IV
Bragg sandy loam, 1 to 4 percent slopes	IV	V	IV
Candor and Wakulla soils, 8 to 15 percent slopes	IV	V	IV
Candor sand, ALL	IV	V	IV
Candor-Urban land complex, 2 to 12 percent slopes	IV	V	IV
Dothan gravelly loamy sand, 0 to 6 percent slopes	I	II	I
Dothan loamy sand, ALL	I	II	I
Emporia loamy sand, ALL	II	II	II
Faceville sandy clay loam, 2 to 6 percent slopes, eroded	II	II	II
Fuquay, ALL	II	II	II
Fuquay-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Gilead loamy sand, ALL	II	II	II
Johns fine sandy loam, 0 to 2 percent slopes	I	I	I
Johnston, ALL	IV	III	IV
Kalmia sandy loam, wet substratum, 0 to 2 percent slopes	I	II	I
Kenansville loamy sand, 0 to 4 percent slopes	II	I	II
Lakeland, ALL	IV	V	IV
Lakeland-Urban land complex, 1 to 8 percent slopes	IV	V	IV
Lillington gravelly sandy loam, 2 to 8 percent slopes	III	II	III
Lillington gravelly sandy loam, 8 to 15 percent slopes	IV	II	IV
Lillington gravelly sandy loam, 15 to 25 percent slopes	IV	II	IV
Pactolus sand, 0 to 3 percent slopes	IV	II	IV
Paxville fine sandy loam, 0 to 2 percent slopes	I	III	I
Pelion loamy sand, 0 to 2 percent slopes	II	II	II
Pelion loamy sand, 1 to 4 percent slopes	IV	II	IV
Pelion loamy sand, 2 to 8 percent slopes	III	II	III
Pelion loamy sand, 8 to 15 percent slopes	IV	II	IV
Pelion-Urban land complex, ALL	IV	II	IV
Pelion-Urban land complex, 8 to 15 percent slopes	IV	II	IV
Pocalla loamy sand, 0 to 6 percent slopes	II	II	II
Rains fine sandy loam, 0 to 2 percent slopes	III	I	III
Tetotum silt loam, 0 to 3 percent slopes, rarely flooded	I	I	I
Udorthents, ALL	IV	VI	IV
Urban land, ALL	IV	VI	IV
Vaucluse gravelly loamy sand, 2 to 8 percent slopes	III	II	III
Vaucluse gravelly loamy sand, 8 to 15 percent slopes	IV	II	IV
Vaucluse gravelly loamy sand, 15 to 25 percent slopes	IV	II	IV
Vaucluse gravelly sandy loam, ALL	III	II	III
Vaucluse gravelly sandy loam, 8 to 15 percent slopes	III	II	III
Vaucluse gravelly sandy loam, 15 to 25 percent slopes	III	II	III
Vaucluse loamy sand, 2 to 8 percent slopes	II	II	II
Vaucluse loamy sand, 8 to 15 percent slopes	III	II	III
Vaucluse loamy sand, 15 to 25 percent slopes	IV	II	IV
Vaucluse very gravelly loamy sand, ALL	IV	II	IV

MLRA137-S and hills

Map Unit Name	Agri	For	Hort
Vaucluse-Gilead loamy sands, 15 to 25 percent slopes	IV	II	IV
Vaucluse-Urban land complex, ALL	IV	II	IV
Wakulla and Candor soils, 0 to 8 percent slopes	IV	V	IV
Wakulla sand, ALL	IV	V	IV
Wakulla-Candor-Urban land complex, 0 to 10 percent slopes	IV	V	IV
Wehadkee fine sandy loam	IV	III	IV
Wehadkee loam, 0 to 2 percent slopes, frequently flooded	IV	III	IV

Map Unit Name	Agri	For	Hort
Alaga, ALL	IV	II	IV
Alpin, ALL	IV	II	IV
Altavista, ALL	I	I	I
Altavista-Urban land complex, 0 to 2 percent slopes	IV	I	IV
Arapahoe fine sandy loam	II	I	II
Augusta, ALL	II	I	II
Autryville fine sand, 1 to 4 percent slopes	IV	II	IV
Autryville, ALL OTHER	III	II	III
Aycock, ALL ERODED	II	I	II
Aycock, ALL EROBED Aycock, ALL OTHER	I	I	I
Ballahack loam, 0 to 2 percent slopes, occasionally flooded	I	I	I
Bayboro, ALL	I	I	I
Baymeade and Marvyn soils, 6 to 12 percent slopes	IV	V	IV
Baymeade fine sand, ALL	IV	V	IV
Baymeade-Urban land complex, 0 to 6 percent slopes	IV	V	IV
Bethera, ALL	II	I	II
Bibb and Johnston loams, frequently flooded	IV	III	IV
Bibb, ALL	IV	III	IV
Bladen, ALL	III	I	III
· ·	IV	V	IV
Blanton, ALL Bohicket, ALL	IV	VI	IV
Bonneau loamy fine sand, 0 to 6 percent slopes	II	II	II
Bonneau loamy sand, 0 to 4 percent slopes	II	II	II
Bonneau loamy sand, 0 to 6 percent slopes	II	II	II
Bonneau loamy sand, 6 to 10 percent slopes	III	II	III
Bonneau loamy sand, 6 to 12 percent slopes	III	II	III
Borrow pits	IV	VI	IV
Bragg, ALL	IV	VI	IV
Brookman loam, frequently flooded	IV	III	IV
Butters loamy fine sand, 0 to 3 percent slopes	III	II	III
Byars loam	II	III	II
Cainhoy, ALL	IV	V	IV
Cape Fear loam, ALL	I	I	I
Caroline fine sandy loam, ALL	II	II	II
Carteret, ALL	IV	VI	IV
Centenary fine sand	IV	II	IV
Chastain and Chenneby soils, frequently flooded	IV	III	IV
Chastain silt loam, frequently flooded	IV	III	IV
Chewacla and Chastain soils, frequently flooded	IV	III	IV
Chewacla loam, frequently flooded	IV	III	IV
Chipley sand	IV	II	IV
Chowan silt loam	IV	III	IV
Conetoe, ALL	III	II	III
Congaree silt loam, 0 to 4 percent slopes, occasionally flooded	I	III	I
Corolla fine sand	IV	VI	IV
Coxville, ALL	II	I	II
Craven clay loam, 4 to 12 percent slopes, eroded	IV	I	IV
Craven fine sandy loam, 0 to 1 percent slopes	II	I	II
Craven fine sandy loam, 1 to 4 percent slopes	II	I	II
Craven fine sandy loam, 1 to 6 percent slopes, eroded	III	I	III
Craven fine sandy loam, 4 to 8 percent slopes	III	I	III
Craven fine sandy loam, 4 to 8 percent slopes, eroded	IV	I	IV

Map Unit Name	Agri	For	Hort
Craven fine sandy loam, 6 to 10 percent slopes	IV	I	IV
Craven fine sandy loam, 8 to 12 percent slopes, eroded	IV	I	IV
Craven loam, 1 to 4 percent slopes	II	I	II
Craven loam, 1 to 4 percent slopes Craven loam, 1 to 4 percent slopes, eroded	III	I	III
Craven silt loam, 1 to 4 percent slopes	II	I	II
Craven very fine sandy loam, 1 to 4 percent slopes	II	I	II
Craven very fine sandy loam, 4 to 8 percent slopes	IV	I	IV
Craven-Urban land complex, 0 to 2 percent slopes	IV	I	IV
Croatan muck, frequently flooded	III	V	III
Croatan muck, ALL OTHER	II	V	II
Dogue sandy loam, 0 to 2 percent slopes	II	I	II
Dogue sandy loam, 0 to 2 percent slopes Dogue sandy loam, 2 to 6 percent slopes	III	I	III
	IV	I	IV
Dogue sandy loam, 6 to 12 percent slopes	IV	V	IV
Dorovan, ALL Duckston fine sand	IV	VI	IV
		V	
Echaw, ALL	IV		IV
Exum fine sandy loam, 0 to 1 percent slopes	I	II	I
Exum fine sandy loam, 1 to 6 percent slopes	II	II	II
Exum loam, 0 to 2 percent slopes	I	II	I
Exum silt loam, 0 to 2 percent slopes	I	II	I
Exum very fine sandy loam, 0 to 2 percent slopes	I	II	I
Exum very fine sandy loam, 2 to 5 percent slopes	II	II	II
Exum-Urban land complex, 0 to 2 percent slopes	IV	II	IV
Foreston loamy fine sand, ALL	II	II	II
Goldsboro sandy loam, 1 to 6 percent slopes	I	I	I
Goldsboro, ALL OTHER	I	I	I
Goldsboro-Urban land complex, ALL	IV	I	IV
Grantham, ALL	I	I	I
Grifton, ALL	II	I	II
Hobonny muck	IV	VI	IV
Icaria fine sandy loam, ALL	II	I	II
Invershiel-Pender complex, 0 to 2 percent slopes	I	II	I
Johns, ALL	II	I	II
Johnston and Pamlico soils, 0 to 1 percent slopes, frequently flooded	IV	III	IV
Johnston soils	IV	III	IV
Kalmia, ALL	II	II	II
Kenansville, ALL	III	II	III
Kinston loam, frequently flooded	IV	III	IV
Kureb, ALL	IV	V	IV
Lafitte muck	IV	VI	IV
Lakeland sand, 0 to 6 percent slopes	IV	V	IV
Leaf, ALL	III	I	III
Lenoir, ALL	III	I	III
Leon, ALL	IV	V	III
Leon-Urban land complex	IV	V	IV
Liddell silt loam	II	I	II
Lucy loamy sand, 0 to 6 percent slopes	II	II	II
Lumbee, ALL	II	I	II
Lynchburg, ALL	II	I	II
Lynchburg-Urban land complex	IV	I	IV
Lynn Haven sand	IV	II	IV
Mandarin, ALL	IV	V	IV

Map Unit Name	Agri	For	Hort
Mandarin-Urban land complex	IV	V	IV
Marvyn and Craven soils, 6 to 12 percent slopes	IV	I	IV
Marvyn, ALL	IV	I	IV
Masada sandy loam, 0 to 4 percent slopes	I	II	I
Masontown, ALL	IV	III	IV
Masontown mucky fine sandy loam and Muckalee sandy loam, frequently flooded	IV	III	IV
Meggett fine sandy loam, frequently flooded	IV	III	IV
Meggett, ALL OTHER	III	I	III
Mine pits	IV	VI	IV
Muckalee loam, ALL	IV	III	IV
Murville, ALL	IV	V	IV
Nahunta, ALL	I	I	I
Nakina fine sandy loam	I	I	I
Nawney loam, 0 to 2 percent slopes, frequently flooded	IV	III	IV
Newhan, ALL	IV	VI	IV
Newhan-Corolla complex, 0 to 30 percent slopes	IV	VI	IV
Newhan-Corolla-Urban land complex, 0 to 30 percent slopes	IV	VI	IV
Noboco fine sandy loam, 0 to 2 percent slopes	I	I	I
Noboco fine sandy loam, 2 to 6 percent slopes	II	I	II
Norfolk, ALL	II	II	II
Norfolk-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Ocilla loamy fine sand, 0 to 4 percent slopes	IV	II	IV
Olustee loamy sand, sandy subsoil variant (Murville)	IV	II	IV
Onslow, ALL	II	II	II
Osier loamy sand, loamy substratum	IV	I	IV
Pactolus, ALL	IV	II	IV
Pamlico muck, frequently flooded	IV	V	IV
Pamlico muck, ALL OTHER	III	V	III
Pantego, ALL	I	I	I
Paxville sandy loam	II	III	II
Pender fine sandy loam	II	I	II
Pender-Urban land complex	IV	I	IV
Pits, ALL	IV	VI	IV
Pocalla loamy sand, 0 to 6 percent slopes	III	II	III
Rains, ALL	I	I	I
Rains-Urban land complex	IV	I	IV
Rimini sand 1 to 6 percent slopes	IV	V	IV
Roanoke, frequently flooded	IV	III	IV
Roanoke, ALL OTHER	II	III	II
Rumford, ALL	III	II	III
Rutlege mucky loamy fine sand	IV	V	IV
Seabrook, ALL	IV	II	IV
Seabrook-Urban land complex	IV	II	IV
Stallings, ALL	II	II	II
State fine sandy loam, 0 to 2 percent slopes	I	I	I
State fine sandy loam, 2 to 6 percent slopes	II	I	II
State loamy sand, 0 to 2 percent slopes	I	I	I
Stockade fine sandy loam	I	I	I
Suffolk loamy sand, 10 to 30 percent slopes	I	II	I
Swamp	IV	III	IV
Tarboro, ALL	IV	II	IV
Tarboro-Urban land complex, 0 to 6 percent slopes	IV	II	IV

Map Unit Name	Agri	For	Hort
Tomahawk fine sand, 0 to 3 percent slopes	IV	II	IV
Tomahawk loamy fine sand	IV	II	IV
Tomahawk loamy fine sand	IV	II	IV
Tomahawk loamy sand, 0 to 3 percent slopes	III	II	Ш
Tomotley, ALL	I	I	I
Torhunta, ALL	II	I	II
Torhunta-Urban land complex	IV	I	IV
Tuckerman fine sandy loam	II	II	II
Udorthents, ALL	IV	VI	IV
Udults, steep	IV	VI	IV
Umbric Ochraqualfs	IV	VI	IV
Urban land	IV	VI	IV
Valhalla fine sand, 0 to 6 percent slopes	III	II	III
Wagram loamy fine sand, 0 to 6 percent slopes	II	II	II
Wagram loamy sand, 6 to 10 percent slopes	III	II	III
Wagram loamy sand, 0 to 6 percent slopes	II	II	II
Wagram loamy sand, 10 to 15 percent slopes	IV	II	IV
Wahee, ALL	II	I	II
Wando fine sand, 0 to 6 percent slopes	IV	II	IV
Wando-Urban land complex, 0 to 6 percent slopes	IV	II	IV
Wakulla sand, ALL	IV	V	IV
Wasda muck	I	I	I
Wehadkee silt loam	IV	III	IV
Wickham fine sandy loam, 0 to 2 percent slopes	I	I	I
Wickham fine sandy loam, 2 to 6 percent slopes	II	I	II
Wickham fine sandy loam, 6 to 10 percent slopes	II	I	II
Wickham loamy sand, 1 to 6 percent slopes	II	I	II
Wickham sandy loam, 0 to 2 percent slopes	I	I	I
Wickham sandy loam, 0 to 6 percent slopes	II	I	II
Wickham sandy loam, 0 to 6 percent slopes, rarely flooded	II	I	II
Wickham sandy loam, 2 to 6 percent slopes	II	I	II
Wickham-Urban land complex, 2 to 10 percent slopes	IV	I	IV
Wilbanks, ALL	IV	III	IV
Winton, ALL	IV	I	IV
Woodington, ALL	II	II	II
Wrightsboro fine sandy loam 0 to 2 percent slopes	I	I	I
Yaupon silty clay loam, 0 to 3 percent slopes	III	VI	III

MLRA153B – Tidewater Area

Map Unit Name	Agri	For	Hort
Acredale silt loam, 0 to 2 percent slopes, rarely flooded	I	I	I
Altavista ,ALL	I	I	I
Altavista-Urban land complex, 0 to 2 percent slopes	IV	I	IV
Arapahoe, ALL	I	I	I
Argent, ALL	II	I	II
Augusta ,ALL	II	I	II
Augusta-Urban land complex	IV	I	IV
Backbay mucky peat, 0 to 1 percent slopes, very frequently flooded	IV	VI	IV
Ballahack fine sandy loam, occasionally flooded	I	I	I
Barclay very fine sandy loam	I	I	I
Bayboro, ALL	I	I	I
Baymeade ,ALL	IV	V	IV
Baymeade-Urban land complex 1 to 6 percent slopes	IV	V	IV
Beaches, ALL	IV	VI	IV
Beaches-Newhan association	IV	VI	IV
Beaches-Newhan complex, ALL	IV	VI	IV
Belhaven muck, 0 to 2 percent slopes, frequently flooded	IV	V	IV
Belhaven muck, ALL OTHER	II	V	II
Bertie ,ALL Bertie ,ALL	II	I	II
Bibb soils	IV	III	IV
Bladen ,ALL	III	I	III
Bohicket silty clay loam	IV	VI	IV
Bojac, ALL	III	II	III
Bolling loamy fine sand, 0 to 3 percent slopes, rarely flooded	II	I	II
Borrow pits	IV	VI	IV
Brookman loam, 0 to 2 percent slopes, rarely flooded	II	I	II
Brookman mucky loam, frequently flooded	IV	III	IV
Brookman mucky silt loam	I	I	I
Cape Fear, ALL	I	I	I
Carteret, ALL	IV	VI	IV
Chapanoke silt loam, ALL	I	I	I
Charleston loamy fine sand	III	II	III
Chowan, ALL	IV	III	IV
Conaby muck, ALL	II	I	II
Conetoe, ALL	III	II	III
Corolla, ALL	IV	VI	IV
Corolla-Duckston complex, ALL	IV	VI	IV
Corolla-Urban land complex	IV	VI	IV
Currituck, ALL	IV	VI	IV
Dare muck	IV	V	IV
Deloss fine sandy loam	I	III	I
Deloss mucky loam, frequently flooded	IV	III	IV
Delway muck, 0 to 1 percent slopes, very frequently flooded	IV	VI	IV
Dogue, ALL	II	I	II
Dorovan, ALL	IV	V	IV
Dragston, ALL	II	I	II
Duckston, ALL	IV	VI	IV
Duckston-Corolla complex, 0 to 6 percent slopes, rarely flooded	IV	VI	IV
Dune land, ALL	IV	VI	IV
Dune land-Newhan complex, 2 to 40 percent slopes	IV	VI	IV
Elkton, ALL	II	I	II
Engelhard loamy very fine sand, 0 to 2 percent slopes, frequently flooded	IV	III	IV
Engeniera rounty very time build, o to 2 percent slopes, frequently moded	1 1	1111	Τ.4

MLRA153B – Tidewater Area

Engelhard loamy very fine sand, 0 to 2 percent slopes, rarely flooded	Map Unit Name	Agri	For	Hort
Fallsington fine sandy loam	1			
Fork fine sandy loam, 0 to 2 percent slopes, rarely flooded				
Fork loamy fine sand	<u> </u>			
Fortescue, Al.L		_		_
Fripp fine sand, 2 to 30 percent slopes				1
Gallstock muck, 0 to 2 percent slopes, rarely flooded				
Gullrock muck, 0 to 2 percent slopes, rarely flooded				
Hobonny muck, 0 to 1 percent slopes, frequently flooded				
Hobucken, ALL				
Hyde, ALL				
Hydeland silt loam, 0 to 2 percent slopes, rarely flooded	,	+		1
Image	_ · ·			
Johns loamy sand, 0 to 2 percent slopes				
Klej loamy fine sand				
Kureb sand 1 to 8 percent slopes				
Kureb-Urban land complex 1 to 8 percent slopes IV				
Lafitte muck, ALL				IV
Lakeland sand 1 to 8 percent slopes	Kureb-Urban land complex 1 to 8 percent slopes	IV	V	IV
Leaf silt loam	Lafitte muck, ALL	IV	VI	IV
Lenoir, ALL III I III Leon fine sand, 0 to 2 percent slopes, rarely flooded IV V III Leon fine sand, 0 to 2 percent slopes, rarely flooded IV V III Longshoal mucky peat, 0 to 1 percent slopes, very frequently flooded IV VI IV Lynn Haven, ALL IV II IV Made land and dumps IV VI IV IV Masontown mucky fine sandy loam IV III IV III IV Matapeake fine and very fine sandy loams I II I II II II III IIII III III III III III III III III III IIII III	Lakeland sand 1 to 8 percent slopes	IV	V	IV
Leon fine sand, 0 to 2 percent slopes, rarely flooded IV V III	Leaf silt loam	III	I	III
Leon sand IV V III Longshoal mucky peat, 0 to 1 percent slopes, very frequently flooded IV VI IV Lynn Haven, ALL IV II IV Made land and dumps IV VI IV Masontown mucky fine sandy loam IV III IV Matapeake fine and very fine sandy loams I III I III III Munden, ALL III I III III III III III III III I	Lenoir, ALL	III	I	III
Leon sand IV V III Longshoal mucky peat, 0 to 1 percent slopes, very frequently flooded IV VI IV Lynn Haven, ALL IV III IV Made land and dumps IV VI IIV Masontown mucky fine sandy loam IV III IV Matapeake fine and very fine sandy loams II III I III Munden, ALL III I III III III III Newhan, ALL III III III III III III III III III	·	IV	V	III
Longshoal mucky peat, 0 to 1 percent slopes, very frequently flooded IV VI IV Lynn Haven, ALL IV III IV Made land and dumps IV VI IV Masontown mucky fine sandy loam IV III IV Matapeake fine and very fine sandy loams I III I II III Munden, ALL III I III III III III IIII III III			V	
Lynn Haven, ALL IV			VI	
Made land and dumps IV VI IV Masontown mucky fine sandy loam IV III IV Matapeake fine and very fine sandy loams I II I Mattapex, ALL II I II I Munden, ALL II I II II II Newhan, ALL IV VI IV VI IV Newhan-Beaches complex, ALL IV VI IV VI IV Newhan-Corolla-Urban land complex, 0 to 30 percent slopes IV VI IV II I				
Masontown mucky fine sandy loamIVIIIIVMatapeake fine and very fine sandy loamsIIIIIIIIIIIIIMunden, ALLIIIIIIIINewhan, ALLIVVIIVNewhan-Beaches complex,IVVIIVNewhan-Corolla complex, ALLIVVIIVNewhan-Urban land complex, O to 30 percent slopesIVVIIVNewholland mucky loamy sand, O to 2 percent slopes, frequently floodedIVVIVNewholland mucky loamy sand, O to 2 percent slopes, rarely floodedIVINimmo, ALLIIIIIIINixonton very fine sandy loamIIIIIOsier fine sand, ALLIVIIVIVOthello, ALLIIIIIOusley fine sand, ALLIVIVIVPasquotank, ALLIIIIPasquotank, ALLIIIIPasquotank, ALLIIIIPerquimans, ALLIIIIPettigrew muck, ALLIIIIIPits, mineIVVIIVPocomoke, ALLIIIIIIPortsmouth, ALLIIIIPortsmouth, ALLIIII				
Matapeake fine and very fine sandy loamsIIIIMattapex, ALLIIIIIMunden, ALLIIIIINewhan, ALLIVVIIVNewhan-Beaches complex,IVVIIVNewhan-Corolla complex, ALLIVVIIVNewhan-Corolla-Urban land complex, 0 to 30 percent slopesIVVIIVNewhan-Urban land complex, ALLIVVIIVNewholland mucky loamy sand, 0 to 2 percent slopes, frequently floodedIVVIVNimmo, ALLIIIIIINixonton very fine sandy loamIIIIOsier fine sand, ALLIVIIVIVOthello, ALLIIIIOusley fine sand, ALLIVIIVIVPactolus fine sandIVIIIVIVPasquotank, ALLIIIIPasville mucky fine sandy loamIIIIIIIIPettigrew muck, ALLIIIIPettigrew muck, ALLIIIIIIPits, mineIVVIIVIVPocomoke, ALLIIIIIIIIPortsmouth, ALLIIIIIIIIPortsmouth, ALLIIIIIIII	1			
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Munden, ALLIIIIINewhan, ALLIVVIIVNewhan-Beaches complex,IVVIIVNewhan-Corolla complex, ALLIVVIIVNewhan-Corolla-Urban land complex, 0 to 30 percent slopesIVVIIVNewhan-Urban land complex, ALLIVVIIVNewholland mucky loamy sand, 0 to 2 percent slopes, frequently floodedIVVIVNewholland mucky loamy sand, 0 to 2 percent slopes, rarely floodedIVIIINimmo, ALLIIIIIIIIINixonton very fine sandy loamIIIIIOsier fine sand, ALLIVIIVIVIVOthello, ALLIIIIIOusley fine sand, ALLIVIVIVIVPactolus fine sandIVIIIVIVPasquotank, ALLIIIIPerquimans, ALLIIIIPerquimans, ALLIIIIIPettigrew muck, ALLIIIIIIPits, mineIVVIIVPocomoke, ALLIIIIIPortsmouth, ALLIIIIIPortsmouth, ALLIIIII	i j			
Newhan, ALL IV VI IV Newhan-Beaches complex, IV VI IV Newhan-Beaches complex, ALL IV VI IV Newhan-Corolla complex, ALL IV VI IV Newhan-Corolla-Urban land complex, 0 to 30 percent slopes IV VI IV Newhan-Urban land complex, ALL IV VI IV Newhan-Urban land complex, ALL IV VI IV Newholland mucky loamy sand, 0 to 2 percent slopes, frequently flooded IV V IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded IV V IV IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded II I II II II II II				
Newhan-Beaches complex, ALL IV VI IV Newhan-Corolla complex, ALL IV VI IV Newhan-Corolla-Urban land complex, 0 to 30 percent slopes IV VI IV Newhan-Urban land complex, ALL IV VI IV Newhan-Urban land complex, ALL IV VI IV Newholland mucky loamy sand, 0 to 2 percent slopes, frequently flooded IV V IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded I V I II II II II II				
Newhan-Corolla complex, ALL IV VI IV Newhan-Corolla-Urban land complex, 0 to 30 percent slopes IV VI IV Newhan-Urban land complex, ALL IV VI IV Newhan-Urban land complex, ALL IV VI IV Newholland mucky loamy sand, 0 to 2 percent slopes, frequently flooded IV V IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded IV V IV IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded IV V IV IV IV IV IV IV				
Newhan-Corolla-Urban land complex, 0 to 30 percent slopesIVVIIVNewhan-Urban land complex, ALLIVVIIVNewholland mucky loamy sand, 0 to 2 percent slopes, frequently floodedIVVIVNewholland mucky loamy sand, 0 to 2 percent slopes, rarely floodedIVINimmo, ALLIIIIIIINixonton very fine sandy loamIIIIOsier fine sand, ALLIVIIVIVOthello, ALLIIIIIOusley fine sand, ALLIVVIVPactolus fine sandIVIIIVPasquotank, ALLIIIIPaxville mucky fine sandy loamIIIIIIIIIPettigrew muck, ALLIIIIPits, mineIVVIIVPocomoke, ALLIIIIIIIPonzer, ALLIIIIIIPortsmouth, ALLIIII	• /			
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Newholland mucky loamy sand, 0 to 2 percent slopes, frequently flooded IV V IV Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded I V I Nimmo, ALL II II II Nixonton very fine sandy loam II II II Osier fine sand, ALL IV IV III Outlello, ALL IV V IV Pactolus fine sand IV IV II IV Pasquotank, ALL II II II Paxville mucky fine sandy loam II III II Pertigrew muck, ALL II II II Pettigrew muck, ALL II II II Potts, mine IV VI IV Pocomoke, ALL II II II Ponzer, ALL II II II Ponzer, ALL II II III Portsmouth, ALL II II III				
Newholland mucky loamy sand, 0 to 2 percent slopes, rarely flooded Nimmo, ALL Nixonton very fine sandy loam Osier fine sand, ALL Othello, ALL Ousley fine sand, ALL IV II II I Ousley fine sand, ALL Pactolus fine sand IV II Pasquotank, ALL Pettigrew muck, ALL Pettigrew muck, ALL Pits, mine IV Pocomoke, ALL Portsmouth, ALL II II II II II II II II II				
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Osier fine sand, ALL Othello, ALL II III Ousley fine sand, ALL IV V IV Pactolus fine sand IV II IV Pasquotank, ALL II II III III III III III Perquimans, ALL II III III III III III III III III I	/			
Othello, ALLIIIIOusley fine sand, ALLIVVIVPactolus fine sandIVIIIVPasquotank, ALLIIIIPaxville mucky fine sandy loamIIIIIIIIIIPerquimans, ALLIIIIPettigrew muck, ALLIIIIIIIPits, mineIVVIIVPocomoke, ALLIIIIIPonzer, ALLIIVIIPortsmouth, ALLIII				
Ousley fine sand, ALL IV V IV Pactolus fine sand IV II IV Pasquotank, ALL I I I I Paxville mucky fine sandy loam II III II IV VI IV Pocomoke, ALL II II<	,			
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Pasquotank, ALLIIIPaxville mucky fine sandy loamIIIIIIIIPerquimans, ALLIIIPettigrew muck, ALLIIIIIPits, mineIVVIIVPocomoke, ALLIIIIIPonzer, ALLIIVIIPortsmouth, ALLIII				
Paxville mucky fine sandy loamIIIIIIIPerquimans, ALLIIIPettigrew muck, ALLIIIIIIPits, mineIVVIIVPocomoke, ALLIIIIIPonzer, ALLIIVIIPortsmouth, ALLIII				
Perquimans, ALL I I I Pettigrew muck, ALL II II II Pits, mine IV VI IV Pocomoke, ALL II I II Ponzer, ALL II V II Portsmouth, ALL I I I				
Pettigrew muck, ALL II I II Pits, mine IV VI IV Pocomoke, ALL II I II Ponzer, ALL II V II Portsmouth, ALL I I I				
Pits, mine IV VI IV Pocomoke, ALL II I II Ponzer, ALL II V II Portsmouth, ALL I I I I				
Pocomoke, ALL II I II Ponzer, ALL II V II Portsmouth, ALL I I I I				
Ponzer, ALL II V II Portsmouth, ALL I I I	Pits, mine	IV	VI	IV
Portsmouth, ALL I I I	Pocomoke, ALL	II	I	II
	Ponzer, ALL	II	V	II
	Portsmouth, ALL	I	I	I
	Psamments, 0 to 6 percent slopes	IV	VI	IV

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Map Unit Name	Agri	For	Hort
Pungo muck, ALL	III	V	III
Roanoke, ALL	II	I	II
Roper muck, ALL	I	I	I
Sassafras loamy fine sand	II	I	II
Scuppernong muck, ALL	II	V	II
Seabrook, ALL	IV	II	IV
Seabrook-Urban land complex	IV	II	IV
Seagate fine sand	IV	II	IV
Seagate-Urban land complex	IV	II	IV
State fine sandy loam, ALL	I	I	I
State loamy fine sand, ALL	II	I	II
State sandy loam, ALL	I	I	I
State-Urban land complex, 0 to 2 percent slopes	IV	I	IV
Stockade loamy fine sand	I	III	I
Stockade mucky loam, ALL	IV	III	IV
Stono, ALL	I	I	I
Tarboro sand, ALL	IV	II	IV
Tidal marsh	IV	VI	IV
Tomotley fine sandy loam, ALL	I	I	I
Udorthents, ALL	IV	VI	IV
Urban land ALL	IV	VI	IV
Wahee, ALL	II	I	II
Wakulla sand, ALL	IV	V	IV
Wando, ALL	IV	II	IV
Wasda muck ALL	I	I	I
Weeksville loam, 0 to 2 percent slopes, frequently flooded	IV	I	IV
Weeksville, ALL OTHER	I	I	I
Wickham loamy sand, 0 to 4 percent slopes	II	I	II
Woodstown fine sandy loam	I	I	I
Wysocking very fine sandy loam, 0 to 3 percent slopes, rarely flooded	I	III	I
Yaupon fine sandy loam, 0 to 3 percent slopes	III	VI	III
Yeopim loam, 0 to 2 percent slopes	I	I	I
Yeopim loam, 2 to 6 percent slopes	II	I	II
Yeopim silt loam, ALL	I	I	I
Yonges, ALL	I	I	I

Procedure for Forestry Schedules

The charge to the Forestry Group is to develop five net income per-acre ranges for each MLRA based on the ability of the soils to produce timber income. The task is confounded by variable species and stand type; management level, costs and opportunities; markets and stumpage prices; topographies; and landowner objectives across North Carolina.

In an attempt to develop realistic net income per acre in each MLRA, the Forestry Group considered the following items by area:

- 1. soil productivity and indicator tree species (or stand type);
- 2. average stand establishment and annual management costs;
- 3. average rotation length and timber yield; and
- 4. average timber stumpage prices.

Having selected the appropriate combinations above, the harvest value (gross income) from a managed rotation on a given soil productivity level can be calculated, netted of costs and amortized to arrive at the net income per acre per year soil expectation value. The ensuing discussion introduces users of this manual to the procedure, literature and software citations and decisions leading to the five forest land classes for each MLRA. Column numbers beside sub-headings refer to columns in the Forestry Net Present Values Table.

<u>Soil Productivity/Indicator Species Selection (Col. 1).</u> Soil productivity in forestry is measured by site index (SI). Site index is the height to which trees of a given species will grow on a given soil/site over a designed period of time (usually 50 or 25

years, depending on species, site or age of site table). The Forestry Group identified key indicator species (or stand types) for each MLRA and then assigned site index ranges for the indicator species that captured the management opportunities for that region. These ranges became the productivity class basis for further calculations of timber yield and generally can be correlated to Natural Resource Conservation Service (NRCS) cubic foot per acre productivity classes for most stand types. By MLRA, the following site index ranges and species/stand types cover the overwhelming majority of soils/sites and management opportunities.

MLRA 153A, 153B, 137, 136, 133A:

	Species/Stand Ty	/pe	SI Range	(50 yr. basis)
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Loblolly pine 86-104
Loblolly pine 66-85
Loblolly pine 60-65

Mixed hardwoods

Mixed species and site indices on covers, river bottoms, bottomlands

Pone and/or longleaf pine 50-55

Upland hardwoods (MLRA 136) 40-68 (Upland oak)

MLRA 130:

Species/Stand Type	SI Range (50 yr. basis)
White pine	70-89
White pine	55-69
Shortleaf/mixed hardwoods	Mixed species/sites (SI 42-58 shortleaf)

Bottomland/cove hardwoods Mixed species/site indices on coves and bottoms

Upland oak ridges 40-68

The site index ranges above, in most cases, can be correlated to individual soil series (and series' phases) according to NRCS cubic foot per acre productivity classes.

An exception will be the cove, bottomland, riverbottom, and other hardwood sites where

topographic position must also be considered. The Soils Group is responsible for assigning soil series to the appropriate class for agriculture, horticulture and forestry.

Stand Establishment and Annual Management Costs (Columns 2 and 3). Stand establishment costs include site preparation and tree planting costs. Costs vary from \$0 to over \$200 per acre depending on soils, species, and management objectives. No cost would be incurred for natural regeneration (as practiced for hardwoods) with costs increasing as pine plantations are intensively managed on highly productive sites. The second column in the Foresrty Net Present Values Table contains average establishment costs for the past ten years as reported by the N.C. Forest Service for site classes in each MLRA.

Annual management may include costs of pine release, timber stand improvement activities, prescribed burning, boundary line maintenance, consultant fees and other contractual services. Cost may vary from \$0 on typical floodplain or bottomland stands to as high as \$6 per acre per year on intensively managed pine plantations. Annual management costs in Forestry Net Present Values Table are the best estimates under average stand management regimes by site class.

Rotation Length and Timber Yields (Columns 4, 5, 6). Sawtimber rotations are recommended on all sites in North Carolina. This decision is based on the market situation throughout the state, particularly the poor markets for low quality and small-diameter pine and hardwood, which normally would be used for pulpwood. Timber thinnings are not available to most woodlot managers and, therefore, rotations are

assumed to proceed unthinned until the optimum economic product mix is achieved.

Timber yields are based on the most current yield models developed at the N.C. University School of Forest Resources for loblolly pine. (Hafley, Smith, and Buford, 1982) and natural hardwood stands (Gardner et al. 1982). White pine yields, mountain mixed stand yields, and upland oak yields are derived from U.S. Forest Service yield models developed by Vimmerstedt (1962) and McClure and Knight. Longleaf and pond pine yields are from Schumacher and Coile (1960).

<u>Timber Stumpage Prices (Columns 7 and 8)</u>. The law requires that timber prices and costs for at least the last five years be used to determine net incomes. Agricultural commodity net incomes are based on costs and commodity prices for the past ten years. For timber, stumpage prices (prices paid for standing timber to landowners) are derived over the same 10-year period from Timber Mart South, a timber price reporting system.

<u>Harvest Values (Column 9</u>). Multiplication of timber yields (columns 5 and 6) times the respective timber stumpage prices (columns 7 and 8) gives the gross harvest value of one rotation.

Annualized Net Present Value (NPV) (Column 10). Harvest values (column 9) are discounted to present value at a 4 percent discount rate, which is consistent with rates used and documented by the U.S. Forest Service, forestry industry and forestry economists. This rate approximates the long-term measures of the opportunity cost of capital in the private sector of the U. S. economy (Row et al. 1981; Gunter and Haney, 1984). The respective establishment costs and the present value of annual management costs are

subtracted from the present value of the income to obtain the net present value of the timber stand. This is then amortized over the life of the rotation to arrive at the annualized net present value (or annual net income) figure.

Indicator Species or Stand Types, Lengths of Rotation, Costs, Yields, Price and Annualized Net Present Values per Acre of Land by Site Index Ranges in Each Major Land Resource Area, North Carolina.

Forestry Net Present Values

(1) Species/Stand Type	(2) Est.	(3) Mgmt.	(4) Rot.	(5) Yield	(6) Yield	(7) Price	(8) Price	(9) Harvest	(10) Annualized
	Cost	Cost	Lgth.			/mbf	/cd	Value	NPV
MLRAs 153A and 133A									
	(\$)	(\$)	(yrs)	(MBF)	(cds)	(\$)	(\$)	(\$)	(\$)
Mixed hardwoods ^a	0	0.00	50	11.50	44.00	140	9	2006	13.14
Loblolly pine (86-104)	244	3.00	30	12.00	14.40	268	17	3460	44.58
Loblolly pine (66-85)	181	2.00	30	7.00	16.80	268	17	2162	26.08
Loblolly pine (60-65)	100	1.00	40	4.80	12.70	268	17	1502	9.75
Pond pine (50-55)	26	0.50	50	2.70	20.00	268	17		
Longleaf pine	26	0.50	50	3.20	8.00	268	17	1029	5.03
MLRA 153B									
Mixed hardwoods ^a	0	0.00	50	8.43	44.00	140	9	1576	10.32
Loblolly pine (86-104)	328	3.00	30	12.00	14.40	268	17	3460	39.72
Loblolly pine (66-85)	181	2.00	30	7.00	16.80	268	17	2162	26.08
Loblolly pine (60-65)	100	1.00	40	4.80	12.70	268	17	1502	9.75
Pond pine	26	0.50	50	2.70	20.00	268	17	1064	5.26
MLRA 137									
Mined handmanda	0	0.00	50	11.00	46.00	1.40	0	2000	12.62
Mixed hardwoods ^a	107	0.00	50	11.90	46.00	140	9 17	2080	13.62
Loblolly pine (86-104)	197	3.00	30	12.00	15.60	268	17	3481	47.67
Loblolly pine (66-85)	100	2.00	30	6.40	16.90	268	17	2002	27.91
Loblolly pine (60-65)	28	1.00	50	7.20	7.00	268	17	2049	11.12
Longleaf pine (50-55)	28	0.50	50	3.20	8.00	268	17	994	4.71

(1) Species/Stand Type	(2) Est. Cost	(3) Mgmt. Cost	(4) Rot. Lgth.	(5) Yield	(6) Yield	(7) Price /mbf	(8) Price /cd	(9) Harvest Value	(10) Annualized NPV
MLRA 136	(\$)	(\$)	(yrs)	(MBF)	(cds)	(\$)	(\$)	(\$)	(\$)
Mixed hardwoods ^a	0	0.00	50	11.90	46.00	136	12	2170	14.21
Loblolly pine (86-104)	197	3.00	30	11.50	15.60	148	16	1952	20.41
Loblolly pine (66-85)	100	2.00	30	6.40	16.90	148	16	1217	13.92
Loblolly pine (60-65)	62	0.50	40	4.10	15.00	148	16	847	5.24
Upland hardwoods	0	0.00	50	6.05	32.00	136	12	1207	7.91
MLRA 130									
Mixed hardwoods ^a	0	0.00	50	10.95	0.00	136	-	1489	9.75
White pine (70-89)	172	2.00	30	17.80	0.00	114	-	2029	24.23
White pine (55-69)	91	1.00	35	8.50	0.00	114	_	969	7.28
Shortleaf/mixed hwd.	0	0.00	60	6.00	0.00	142	_	852	3.58
Upland oak ridge (40-68)	0	0.00	70	5.32		216	-	1149	3.15

^aCoves, riverbottoms, bottomland yields.

Procedure for Horticultural Schedules

The rents reported from the 1998 survey form the basis for the agricultural assessment rates in the present-use value schedules of values. The issue of horticultural rates are not adequately addressed by the current survey information. In the case of MLRA 130 (the Mountains), the reported rents were heavily weighted upward by horticulture; apples, Christmas trees, and the "green industry" (sod farms, ornamental shrubs, etc.). In addition, counties in MLRA 130 typically have a shorter growing season and are less likely to double-crop with a winter grain when the primary horticultural crop is a fruit (tomato) or vegetable (sweet corn, cabbage, squash, cucumber etc.,). Further complicating the situation, land for tomatoes and other "truck crops" tends to command rents comparable to those reported for agricultural crops (pastureland, field corn, etc.). Counties in the remaining MLRA's have longer growing seasons and are more likely to double-crop, except when the horticultural crop is one whose planting to harvest cycle requires more than one growing season, such as strawberries.

All horticultural enterprises such as Christmas trees, ornamental shrubs and nursery stock, apple and peach orchards, grapes, blueberries, strawberries, and any other horticultural crop requiring more than one growing season between planting and harvest, should be classified as horticulture regardless of where located in the State.

Since the 1998 survey does not adequately address horticultural rents, the following horticultural rates per acre are based on a percentage of the agricultural values as developed by the UVAB:

MLRA	Factor	Resulting Values per Acre					
		High	Medium	Low			
130	2.00	\$ 1,620	\$ 1,110	\$ 710			
133A	1.20	\$ 1,108	\$ 778	\$ 514			
136	1.20	\$ 845	\$ 578	\$ 370			
137	1.20	\$ 839	\$ 558	\$ 332			
153A	1.20	\$ 949	\$ 738	\$ 540			
153B	1.20	\$ 1,440	\$ 1,211	\$ 809			

In-lieu of Income Requirements and Gross Income Requirement for Horticultural Land when Evergreens are grown for use as Christmas Trees

This replaces a previous memorandum issued by our office dated December 12, 1989. The 1989 General Assembly enacted an "in-lieu of income" provision allowing land previously qualified as horticulture to continue to receive benefits of the present-use value program when the crop being produced changed from any horticultural product to Christmas trees. It also directed the Department of Revenue to establish a separate income requirement different from the \$1,000 gross income requirement for horticultural land, when the crop being grown was evergreens intended for use as Christmas trees. N.C.G.S. 105-289(a)(6) reads:

"To establish requirements for horticultural land, used to produce evergreens intended for use as Christmas trees, in lieu of a gross income requirement until evergreens are harvested from the land, and to establish a gross income requirement for this type of horticultural land, that differs from the income requirement for other horticultural land, when evergreens are harvested from the land."

It should be noted that horticultural land used to produce evergreens intended for use as Christmas trees is the only use allowed benefit of the present-use value program without having first met a gross income requirement. The trade off for this exception is a different gross income requirement in recognition of the potential for greater income than would normally be associated with other horticultural or agricultural commodities.

While the majority of Christmas tree production occurs in the western mountain counties (MLRA 130), surveys as far back as 1996 indicate approximately 135 Christmas tree operations are in non-mountain counties (MLRA's 136, 137, 133A, 153A & 153B). They include such counties in the piedmont and coastal plain as Craven, Halifax, Robeson, Wake, and Warren. For this reason we have prepared separate "in-lieu of income" requirements and gross income requirements for these two areas of the State. The different requirements recognize the difference in species grown, growing practices, markets, and resulting gross income potential.

After consulting with cooperative extension agents, the regional Christmas tree/horticultural specialist at the Western North Carolina Experimental Research Station, and various land owners/growers, we have determined the standards in the following attachments to be reasonable guidelines for compliance with G.S. 105-289(a)(6). Please note these requirements are subject to the whims of weather and other conditions that can have a marked impact. The combined effect of recent hurricanes, spring freezes, and ice storms across some parts of the State should be taken into consideration when appropriate within each county. As with other aspects of the present-use value program, owners of Christmas tree land should not be held accountable for conditions such as adverse weather or disease outbreak beyond their control.

We encourage every county to contact their local Cooperative Extension Service Office to obtain the appropriate local data and expertise to support particular situations in each county.

The in-lieu of income requirement is for acreage in production but not yet undergoing harvest, and will be determined by sound management practices, best evidenced by the following:

- 1. Sites prepared by controlling problem weeds and saplings, taking soil samples, and applying fertilizer and/or lime as appropriate.
- 2. Generally, a 5' x 5' spacing producing approximately 1,750 potential trees per acre. Spacing must allow for adequate air movement around the trees. (There is very little 4' x 4' or 4.5' x 4.5' spacing. Some experimentation has occurred with 5' x 6' spacing, primarily aimed at producing a 6' tree in 5 years. All of the preceding examples should be acceptable.)
- 3. A program for insect and weed control.
- 4. Generally, an eight-to-ten year setting to harvest cycle. (Most leases are for 10 years, which allows for a replanting of non-established or dying seedlings up through the second year.)

The gross income requirement for acres undergoing Christmas tree harvest in the mountain region of North Carolina (MLRA 130), is \$2,000 per acre. Once Christmas trees are harvested from specific acreage, the requirement for those harvested acres will revert to the in-lieu of income requirement.

As an example, if the total amount of acres devoted to Christmas tree production is six acres, three of which are undergoing harvest and three of which have yet to reach maturity, the gross income requirement would be \$6,000.

MLRA's 136 – The Piedmont; 137 – The Sandhills; 133A – The Upper Coastal Plain; 153A – The Lower Coastal Plain, and 153B – The Tidewater.

The in-lieu of income requirement is for acreage in production but not yet undergoing harvest, and will be determined by sound management practices, best evidenced by the following:

- 1. Sites prepared by controlling problem weeds and saplings, taking soil samples, and applying fertilizer and/or lime as appropriate.
- 2. Generally, a 7' x 7' spacing producing approximately 900 potential trees per acre. Spacing must allow for adequate air movement around the trees. (There may be variations in the spacing dependent on the species being grown, most likely Virginia Pine, White Pine, Eastern Red Cedar, and Leyland Cypress. All reasonable spacing practices should be acceptable.)
- 3. A program for insect and weed control.
- 4. Generally a five-to-six year setting to harvest cycle. (Due to the species being grown, soil conditions and growing practices, most operations are capable of producing trees for market in the five-to-six year range. However, the combined effect of adverse weather and disease outbreak may force greater replanting of damaged trees thereby lengthening the current cycle beyond that considered typical.)

The gross income requirement for acres undergoing Christmas tree harvest in the non-mountain regions of North Carolina (MLRA's 136, 137, 133A, 153A, and 153B), is \$1,500 per acre. Once Christmas trees are harvested from specific acreage, the requirement for those harvested acres will revert to the in-lieu of income requirement.

As an example, if the total amount of acres devoted to Christmas tree production is six acres, three of which are undergoing harvest and three of which have yet to reach maturity, the gross income requirement would be \$4,500.

Adjustments to Agricultural Schedules for MLRA 130

In reviewing the rents collected to form the basis for present-use value schedules of values, it became apparent that the reported numbers for MLRA 130 (Mountains) are skewed upward by horticulture crops such as apples, Christmas trees, sod farms, and ornamental shrubs. (See Cash Rent Survey for 1998)

Therefore, the agricultural rents provided below, by the UVAB, for MLRA 130 are based on MLRA 136 plus 15%. The resulting schedules more accurately reflect the true agricultural rent potential for the mountain counties in MLRA 130.

MLRA	1998	Rents		Agricultural Schedu				
	High	Medium	Low	High	Medium	Low		
130	52.65	36.03	23.01	\$ 810	\$ 554	\$ 354		
136	45.78	31.33	20.01	\$ 704	\$ 482	\$ 308		
133A	60.01	42.10	27.84	\$ 923	\$ 648	\$ 428		
137	45.46	30.25	17.99	\$ 699	\$ 465	\$ 277		
153A	51.44	39.97	29.27	\$ 791	\$ 615	\$ 450		
153B	86.85	65.60	43.83	\$ 1,336	\$ 1,009	\$ 674		

NOTE: MLRA's 136 (Piedmont) and 137 (Sandhills) are estimated to most closely approximate agricultural rent potential of MLRA 130 (Mountains).